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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/060,065	01/29/2002	Toshio Ota	14897-099002/H1-107PCT3-U	9602

26161 7590 04/01/2005
FISH & RICHARDSON PC
225 FRANKLIN ST
BOSTON, MA 02110

EXAMINER

PROUTY, REBECCA E

ART UNIT PAPER NUMBER

1652

DATE MAILED: 04/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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EXAMINER

ART UNIT	PAPER
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1004

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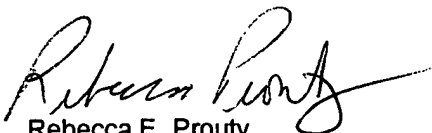
Commissioner for Patents

In response to applicant's telephone call regarding the last Office action, the following corrective action is taken. Copies of pages 392-611 of WO 01/53312 not previously supplied are enclosed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rebecca Prouty, Ph.D. whose telephone number is (571) 272-0937. The examiner can normally be reached on Monday-Friday from 8:30 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapura Achutamurthy, can be reached at (571) 272-0928. The fax phone number for this Group is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-1600.


Rebecca E. Prouty
Primary Examiner
Art Unit: 1652

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
			AGSQKLSVVRRAASLLSKVDSLAPSITNVLVQCKQVTLGAFG EEREVIENPLSPRVIQHIIYKCTHDEREAVIQQLVITHGWI ISNNPHELPSOTLKIRIGWIIHAMEYELQIROGDKPALDLYQLSP SEVKQLLLDILQPQNGRCWLNRRQIDGSLRPTPGFYDRVWQI LERTPNIYVAGKHLPPQPTLSDMYEMHPSLLVEDTGLNIDQ PQYRQIVVELLMVSVIVLERNPELEFQDEVDLORLVEKAFNEFQ KQSRLEKIRKQDNTSFYNTPLGKRGTCSTLTKAVNMLLLBG EVKPNNDPCLIS
5872	68	665	VQGYMYRFRVTKYNSCYSEKTSICHRCCPELPATQPMPTPTVPF NLAIDSESLGCT\SPKLPADKV/PKRWKNFVLLNTGSKVLQDK GPCFYRIIDQ/LCQGGDFTHNGTGGKSLYSKEFDQENFI/LKH TAPGVLTANAGPTTNGSQPFICTAKTEG*QHVVPKVEKDGMS IVHALERSGSRNGKTSKKITAAACGQL
5873	2240	506	REPPBGGSGGRRTRAMPLFWSLALDILLWSVAGGFGMAASAR HBSGLASARQGVCHYGTKLACCYGWRNSKGVCEATCEPGCKF GECVGPNIKRCFPGYTGKTCSDVNECGMKPRPCQHRCVNTHGS YKCPCLSGHMLMPDATCVNSRTCAMINQVSCRDTEBGPQCLCP SSGLRLAPNGRDCLDIDECASGRVCPYNRRCVNTHGTYCKCH IGFELQYISGRYDCIDINECTMDSHTCSHANCPTQGSFKCKC RQGYKGNGLRCSAIPENSVEKVLRAPOTIKORTKLLAHNSMK KQAKIKQVTPSPPTPTPTPKVNLQPFVYEEIVSRGGNSHGG/KKG NEEIMKEGLEDEKREKALKD*HRRRRPFG\DVFFPKVNEAGE FGLIL/VORALTSKLEHADIANSVDCSPNHC/ICDW/KQDR/ BDDPDW/NPADR/DNAI/GPY/MAVGLM/QGH/KDIGRLKLL PDLQPSNPFCLLDYKLAGDKVGLKLVFVNSHALLAWKKTSE DEKWTGKIQIQLYQGTDTKSLIFAEERNGKTRIAVDGVLLVS GLCPDLSLSVD
5874	2	3387	ACPFLARRRRVRESLRRRRGNLRRWSRGQNNNAARRITQSTFD AVLQBEAKRYHMDASGEAVSETLOFKAODLRAVPSRAEMTD VSDGRYSLSGSAHSRDAGRESLSRDSVPSGSPRESNPSISDD SYPRKROGRDLRFVSHNSRDQVIGHRELGHFRSQDNKFALEG6W EQDPGFVPSQESSMSQBYSPGPSAVLGDGSSRLIEKCLKEK/ SRDYDVHESG\BA\DSVLRS\SQVA/RCRALNIVDQEGSLLG KGETQGLLYARGGVGLVTLKRVSTKIPVNRITPTQGTNQI QNTSPFDVTLGTNPTGTEIQPPIQKIPLGLDLNLRPLPREMS FDLIDKSDVPSRPGIRIIMAGGFTIKDDKPSQLPOTLFELET ETCAKMLASFRCSLKPEHRDPCPTTIEFLAESALITPRVINEPL NMLLDKGAVKTKSCFFETIKPFDKIIMRLQRLLESVTPILMAC HAYELSVKMTLSNPLDLALALSTNSLCRSLALLGQTFSLAS SPRQEKIL*AVGLQDIAPSPAAPNPFEDSTLFGREYIDHLKAWL VESGCPQVKGARPEPMREBEMIPPTKPIQAKAPSSLSDAVP QRADHEVVGTIDQLVIRVIEGSLSPKEETLLKEDPAYWFLSDEN SLSYKTYKJLABMQBMSNLRGADQPTSDCAVRAMLYSRV RNLKRLLP\WQRGLLRAGG/LRG/WKARRA/TGTUTLLFLR APGLKHEGROAFGLS\QAKPSLPDEN\AAKD/CPLDPV/GPSP QDPSEASGPSFKPAGVDISEAPQTSPPCSADIDMKDNGREAR KLARFVRQVG\PEIEQP/SI\ENSTINPDLNPL/HQNS\APK FT\REKVPFLCPSICTFTSSPHNL/HTGGDDT\GSQBSVDLME GEARFEDRPPPREABLESPVMPEDDEDDEGGGEAPA/PGRO GPSLEGSTPADGLPGA\AEDDL/ALGAPALFTGLLQVTCFFPG ROPSSKSLVGMIPAPKRVCLIQREKVEHPVRIAYDRPRGRPMS KKKPKDLDPAQQL\TDK\MLGPQ/MLQKMGKKBGHLGSLGK GIR/SRSACTQQAANGSGWGLSPSTCSLPLGSPTAKMAYSWQL IPVP
5875	296	1848	LAAAGGLPLMRLSRGFRYLLGLSAPSALGGAMRBVSYVQRYA LRPSCSLFPFHAICLDVNDTLNELVVGDTSGKVSYYKNDSEFP WLTCSQGHLCVGVGDCNKGKHLVAVSAGWPHLDLTPAK VLASGHEHTLIGBQRPVFKHI PANTKVHLISIDGDCREL VVGTYDRVVRAPRMEKLEGPEHLTGQVSLKQWLEGGQVDSLS VTGLPLGLFELMVSPGCAVAILLCTWKKDTGSPASBPPTDGS /SGDPSCPRGAAPDIWPTPQGBCLHSFNWQBT/SHGTSSGS

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			GLFALCTLDGTLKLNREMERADALLASVQVDRDLFALEKLDVTG NGHERVACANDGQTYIIDNRTVVRPQVDENIRAPCAGLYACK EGNSPCLVYVTPQKIYVYVQLEEMESTHLVKLLSTKP\ST TACCRSNWILITSL*LVPCFTKRTIQTSESVLPQASRIFFS WTCLIAQGGP*TPPLPPEGVFGSHCAAGCSITEQ
5876	1122	224	HLPLGVPSKVAGAAAMEPQBERETQVAAWLKKIFGDRFIPQYEV KPTTEILAHLSERRRVRDRDVLVIRDLKQKASYESKAKYLQ DLIMESVNFSPANLSTGSRYLALVDSVALETSDTSLASTIP AVNDLTSULPRTKSEEEIKIRLEKLEELTATVLEKCLQEDV KKAHLHLSTER\AKVDNRQW\DFLKABEERFPOIQAGEQL SARGQ\DAFSVYIQSLVALIENSWPRLQQTIPLE\KKLESTLD LMP\NPSHCSE*RIERAK\RELA\SEAELTRVS\MMEL
5877	2030	1907	GTLGKPAASSSGKKEKELGGGLGVAGGSTRERLLSALDLELV LSRELTEMLATSRNQKLAGCHQVLELLIHRDGEFQIMKLA LNQGIHHEHQVLEKEVKRDSIOQLQKLEABQILATAVYQ AKKLSYEHKARGAISSEETIKYAHRIASAEVCAPIFWVPGD PRPTPTDLENRSGLQGMNDSTNGVNHLPQDALA/RRKIAR CPCSTVS/HGSMTCR*INILLIQSVCEL
5878	950	2113	GLWCKMQLQCPHREVP*PTFRQQGQ\VPVAVIAGNEPBYLY RMLRSILSAQGVSPQNTVFDQYTERPMDVVALFGLRGIQHTP ISIKARVSQHYKASLTATPHLFPAKFAVVLREDLDIAVDFPS PLSQSIHLREDDSLYCI SAMNDQGYETARDPALLYRVETMPC LGNVLRSLYKKELEPKWPTPEKLDNDMMRMMPQHRRECIY PDVRSYHFGIVGLADNGYFERAYFKKKEFTVPGVQLANVDSL KKEAYEVVHRLISEAVLDSESDCEDSLVDTECHTYVAFIR MEKDDFTTWTQLAKCLHIMDLVGRMGRGLRLPRKKEFLVV GVDPASPYGVKKPPSVPTPILEPPPKRGAQAPBQT
5879	3	981	RLTHAAAGSGSPRAGWAGSPPTLLPLSPSPRCAATMASSDED GTNGGASEGDRAPGKRRRLGFLATAMLTFTDIMPACMLVL ALAMVRFPYMERGTHRGLYKSIXKTLKFPQTPALLRIVHCLIGIV PTSVIVTGQVSSRIFFVWLITHSIKPIQNESSVLLFVAVTIT KITRYSPTTSLDLHPYFIKARYNFFIILYPVGVAGELLTIY AALFHVKTGMSIRLBNKYNSPDYTYPIILITWASYIPLFPOL YFHLRQRKVLHG\G*L*KRMIR*SLQTRCPFNNOYLSFSF KNNKQLCELSWIVNPLKI
5880	1138	1324	SIMCLVAGGLGLGPSSQNPQIRAGILAEPRABGTFSALTACSA SVTSKOKSSSGMWPASASDRDSPVLEPPGVPQLPSCGTVLSD *KKRGRCCS/WLSQPQHEREKEVVLRRSMRGRARASDVL CRSLAHRTQLRRTLTATAHMCQHLAKCLDERQBAQRNVGRSP DQSEHTDGHISVQSVIEKLQENRLLKQKVTBVDLWAKQRYN ASRDYVROLHAQLRGLQIPHEPELMRKHSILNHLQKEKINDC AEVQELAASRTARDAALERVQMLBQQLIAYKDDFMSERADRR AQSRIOELERKVASILHQVSWRQDSHEPDAGRTHGSKTAKYLA ADALELWPGWRPGTGSQQPEPPABGGHPGAQRGQGLQCPH CLOCFSDQGEKLEHVARCCQ
5881	26	441	GGIHPSPTFAKQHLTMDCTWRLLFLVAAATGTBAQVQLQSG SEVKKPCASVWVSCVYTLTKLSMHWVRQAPGKLE*MGPPD LQOVETIYQKPGGRVSMTERSTETQ/ATLELSLSSEDTAV HHCATDTV
5882	2407	2216	SGCVEMLYSHSLBNPNISSVQSAVAPQALAINSDGDL*HSCER KTRD*QLFAGGPGLOQLQGLKIDITSDFILDRVDG\VDLE HYSKQVLELQQLQEQSLDYIQESSENTASLENQITACDAVLER MEQMLGAPQSDSSISSEITLQEQSGAMNIRLENRQAVRGKLG ELVDGLVPSALVTALLEAPVTEPRFLEQLQELDAKAAVREQE ARGTACADVRGVLDRIVKAVTKIRBPTLQKLYSFEPMINTQ IPQALLKIRFFYQFLGNERATAKEIRDYVETLSKIYLSYTR STLGRIMKQYERVAERDDLGVKDTAKGFFSKPSLSRNTIF TLGTRGSVISPTREAPILVPHTAQRGEQYFPEALFRSQHYAL LDNSCREYLFICRFFVVSQRAEDLFHAWGKTLMTLKHLDY LADCYDALAVFLCIHIVLFRFNTAAERDVPALORTMEQVLALW

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			PRFELILEMVSQSVRSTDPQRLGGLDTRPHYITERYARFSSALV SINQTIENERTMQLLGQLQVEVENFVLRAARFSSRKEQLVFLI NNYDMMLGLVLM\8*EKAADDSKEVESPQQLIAARTQEFTELLS PPFGQLVAFVKRAALIERGQAEHLRGEARVTQLIRGFGSSNK SSVESLSQDVNRSPFNFRSTSIIGQALTOILQ\LYHRPFRV\I SQPQLRALPARAELDTHHLMAVELKKHPCNF
5883	2	1374	RFFGRFRFVMEAGAGAGAGAGAGNSCPGFPPTVTLGSEASEG CERKKGQRWGSLEERRQWAMEGEVLLPALYERKEERKEERKEVE EKEEQVQKGSVGSLSVNERGLSLTETHLELAQVLQVLAEL ETRELAGQERDDSLHQLGLLEDERLASAQQAQEVFTKQIQQLQG ELASLEETISLEERKESELEKEIQRLEHLAQASTQSLROARDS ATEHESDIASLQEDLCM*QWLEDMERIRGOTEMELASTARME NKSSEPSGSLGLSDYSLGLEELQELERKTHFLNRETRALQESNS SLTGLADLESERTQATERNLQSQTLSPMSARSQTSMDFLBP DPEQILRLQQLRDAERQWGMONCQQLCCLERLQHRQVSEB EQRELQRELFCAQNEVLRFPQTSHS\SPSHPLPPIPPSSPCLLA LVVISALLWCNABTSS
5884	4261	2522	GVLARASARLVPLTGVACARFEVGAHFAKAVAGAAKPEDGGR SRLDCDDYTPSERLGPKNHLPQCALPAALATAKESGAVFV FVAGODEQSTQMAASWEDKYTRASSNSFVAIKIDTESACLOF SQIYFVVCVPSFFIGDSGLFLEVIAGSVSEADLVTRIHKVRQ HLLXSETSVANGSQSBSVSTPSASFBNMTCEMSQSENAHLCB IPSTSDTKSDUTAGQESAGHATSSQRPSCSDQRPADLMIRVE RLTKI*ERREERKREERQRHIKKIERRRTKEMLDYKRRQER HITRMLEERNREKADRAARERIQQIALDRAERARPAKTKB EVEAKAAALLAQAEKMEVRESTARERSTVARIQFRLPDGSSP TNQPPEDAPLEBARQFAAQTVGNTYGNFSLATMPPRREPTKQDY KKQLDLLELAPASVLLP/ALFINP*AGREPTASTVHSSSGDIM TLIGTVLYPFLAINRLISNPLFSNPPPTOTSVRVTSSPPNPAS SSKSKREFFVRVLEKRGDDFKKGGKIYRLTODDGEDENNTW NGNSTQOM
5885	900	467	AAGGGRSRLSRSMPTGPSKSPSGVRCOG\RR\AWEDKDEFLDV IYWRQI IAVVLGVINGVLPLRGFLBLAGPCLINAGVLYLYPSN YLQIDREBYCGTWELTEGQPMTSFA/IVBGLDHLHCHPL*LM VYSSQVLPQSKGPS
5886	86	1341	PFGRALTLKQPRFGVAPPISLGTCHKSDPGRPAASQPPSPGS GTFGLLSFDMVRIKMWLKEHFVGTPTNSDFELKTSBLPLKHG BVLLLEALPLTVDFYNEVAARKLEKGDWMCQQVAKVVESEVAL PKGTIVLASPGWTTSSISDGKILKELLTENFDTIPLSLALGTVG MPGLTAYPCLLEICCVKGGTVMVMAAGAVGSVVQIAXLEGC KVVAVGSDRKVAYLQKLGPDVVFHYETVESLEBTLKASPDGY DCTFDNVGGEPSNTVIGQMKPGRIAICGALSTYNTGFLPPGP PPHIGITYQLENEAFVVTWQGDARQKALKDLEKVLRLPYFVI D*LAQNTLVYKSMKSAKPSLEYISEKLVSG\XIQYKEYITBGF NMPAAMGMHLKGNLGTIVIA
5887	1937	104	APCCGCRATRCPCGPRWDSLODRAARSFAAFGGAGLLGLLE RPDRCHPGGDRGPQLHRSFG/SPSELRRRPGPGLPGLQGPP PAPGLPQSRIL/PVLCVCLSPAQCDINCCDPDCSSVDFSVPS ACSVFVVTGDSQPCSQKAVIYSLNFTANPPQVRFELVDQINPSI PCIHITN*NLHYPLLQKYL/NERNFDTLMKTSDDGFTLWARSY VSFTTKLDIPTAAKYKGVPLQTSDSFLRPPSSLTSSLCDNNP AAFLWNAVKCTRINLEQCELEALSMAPTASPEKLVPSRK KVPITVQSIQSLKTLTRREDTDLVQLPTLVNAGHPSLCVNVV LEVKYSLTYTDAGEVTEADLSFVLGTVSSVVVPLQKFEIHFIQ BMTQPVPLSGNPGYVGLFLAAGFQPHKSGIITHTRYGQLTI LBSTTEQDCLALEGVRTPLFGYTMQSGCKRLTGALPQQLVAQ KVKSLNAGQGFEDYVAPFGNSQGF/ADMLWVPIHFTQSPKRX DSQQLPGALVIEVWTKYGSLLNPOAKI VHVVTANLISSSPKAN SGNERTILLISTAVTFVDVSAPARAGFRAPAINARLPFFHFFPF V

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5888	375	2302	<p> LACRTGCVANQRADSEQPSRPFCDGSPRTPTNPSPARADWSPG LELPEOYRTWGPQVCSFLRRGGFPPEVLLKNTREKRTGALLP CLDESEFENLGVSSLGERKLLSYIQRLVQIDVDTHRVINDPIH GHLEHPLLVRIIDTFQQRLEYIKQLGGGYTVFPGASHHRFPH SLGVGYLAGCLVHALGRKQFRLQISERDVLQVQIAGLCHDLGHC PPSMFDPGRFIPLARPEVQWTHQGSVMFRELINENGIKPVME QYGLIPEEDICFIRBQIVGPLESPVROSLWFFYKGRPEKESFLYE IVSWKNGIDVDKNDYPARDCHHIGIQNNFYKRPFTKPARVCEV DMELRICARDKEVQMLYDMPTFNSLHERRAYQHKVGSIIDTMT DAPLKADYITITGAGQKRYRISTALDCEAYTKLTDIFLEILL YSTDPRLEKADRETLQIHYRNLFRYVGETQPTGQIKIKREDYES LPKEVASAKPKVLQVVKLCAEDFTVDVINDYGMQKEEPIDHVS FYCTAPNRAIRITKQVSQLP\BKFAEO\LIKRVCKKVDKRS LYA\ARQYFVQW\CADR\HFT\KPDGRCT*PPTP*HPQKKGW\ NDSTSPFKIPTRLEPRLPKSEV\QLFKDDPM </p>
5889	1831	731	<p> LPAACGRFPTARPEQAPESGRFEDLQYDFPQVFPFPRDRAV VVGCTDGIGYSTAGHLARLQHEVI LAGNDSKAKQVVSIIKREB LNDKET*VLLCCPGLCLWNSDDPTASRAGGTGVHHRFLK FGIPII\DLASHTSIRQPVQKPKMKIP\LHVLINAGVMNVFOR KTRDGFREHFGNLVGLHFLTLNLLDLEKSGSPGHSARVTVS SATHVVAELNDDLOSSACTSPHAAIAQSKLALVLTIELQRL AARGSHVTANVDPGVVWTLVYKHPVWATRLAKLLQWLLFKTP DRGAMTSYAAVTFLEGVGGRYLYNKIKETKSLVTTYNQLQQQ LNSISEMGTGLVDVTL </p>
5890	1322	200	<p> FRKMSAAGRVPVAFPCSRISASSPRPRGAVRLQSGTEAACRS GRPDPAPASAGGHERMSQRDILVHLFAGCGGTGAILTCP LEVVKTRLQSSSVTLTYISEVQLTMAQASVNRVVSFGPLHCLKV ILKKBGPRSLFRGLGPNLVGVAPSRATYFAAYSCKEKLNDVFD PDSTQVEMISAAMAGFTATATNPWLKTRQL*/SQGTAGKR RMGAFCVRKVYQTDGLRGFTRGMSASYAGISBTVIHFVIYESI KQKLLBYKTASTMENDERSVKASDFVGMMLAAATSK\LVATTI AYPHEVVRTLREBETKYRSFPQTLSSLVQEGYGSILYRGLTTH LVRQIP\NTAINMATYELVVYLLNG </p>
5891	1322	200	<p> FRKMSAAGRVPVAFPCSRISASSPRPRGAVRLQSGTEAACRS GRPDPAPASAGGHERMSQRDILVHLFAGCGGTGAILTCP LEVVKTRLQSSSVTLTYISEVQLTMAQASVNRVVSFGPLHCLKV ILKKBGPRSLFRGLGPNLVGVAPSRATYFAAYSCKEKLNDVFD PDSTQVEMISAAMAGFTATATNPWLKTRQL*/SQGTAGKR RMGAFCVRKVYQTDGLRGFTRGMSASYAGISBTVIHFVIYESI KQKLLBYKTASTMENDERSVKASDFVGMMLAAATSK\LVATTI AYPHEVVRTLREBETKYRSFPQTLSSLVQEGYGSILYRGLTTH LVRQIP\NTAINMATYELVVYLLNG </p>
5892	1764	379	<p> VVLEVGRLSVNSAVSSRTGGNSAGLTCAMQRLQVVLGHLRQPA DSCWMPQAPCLSCAPHASAADVVVHRRRTAICRACRGGFEDT TPDKLLSAVMTAVLKDVLNLRPEQLGDCVGNVLPQAGAIMARI AQFLSDIPEFVPLSTVNRQCSSGLQAVASLAGGIRNGSYDIGMA CGVEHMSLADRONPNTISRLMEKEKARDCLIPMGITSENVAER PGISREKQDTFALASQQAARASQKGFQABIVPVTTTVHDDRG TKRSITVTQDEGIRPSTIMEGLAKLPAPKKGSTTAGNSSQVS DGAAILLARRSKARELGLPILGVLSYAVVGVPPDIMGIGPAY AIPVALQKAGLTVSDVDIFRINE\AFASQAAVCVEKLELPP*EG *TPICGASGP*CHPLGLEHGHVQVITLAQ*S*SARGKRAYRSGC PCAIGSWNGSPLEVFYFPGT </p>
5893	3	1653	<p> TISRRRCQKARTKELMAKKVAVIGAGVSGLSLKKCVDEGLEPT CFEETEDIGGVHRRFENVEDGRASIIYQSVVINTSEKSCFSDPP MPEDFPNFLHNSKLLKYPRIFAKKVLLKYIQFITTLSVRKCP DPFSSGQMKVVTOSNGKEQSAVPAVAVVCSGHILPHIPLKSP GMRFPQGVYFHSRQYKHPQGFEGRIILWIGMRLGSDIAVELSK NAAQVFTSTRHGTWMSRISEDOYFNDVSVFTRFMSMLRNVLP TAVIONMIRQMMENPHENYCLEPQNKVYIMEKPVLDNDVPSRLI CGAIVKSTVRELITSAIPEDGTVEENIDVIIPATGYSPSPFP </p>

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			LEDSLVKVENWVSLYKYIFPAHLKSTLACIGLIQPLGSIFPT ARLQAEWVTRVPEGLCSLPSEETHMMDI IKRNEKRI DLPGESQS QTLQTYVDYLDLALRIGAKPFCSLFKDPKLAVERLYPGPCN SY*YRLVGPQGNEGARNAIPTQKRIKPLKTRALKDSSNFSVS FLIKTILGLAVVVAF/CQIQNS
5894	174	1673	RYSFKEVLQNRSSLELGMATLVSAHS LAFNLKREGLVVR DHTSTWQGGFKLQNSKELGQKPLCKQVRLKVEETTGPREALS RLRELQQWILQPTHTKSHILELLVLSQFLI ILPKLQARVQEH HPESREDVVVLEDLQLDLGETGQVDFDQPKQKILVEBAPL KGVQEQVREHECVTKPKKKECEBTRIKNGKLI VVDS CGRVES SOKISEPMAHNEGSHLERHQAPEKIEYKCSERERQFIQHL LJESASTETGKRLCSDDVCQSSSLTGHKRVLS*ERKVIQC/BGV LGEAFQSSSHLVHQIHLGKPKYCNECGKVP SQNAGLLEHL INTGKPYLCTHCKNFRSSHLNRHRIHSOREPCECKEGKT FSQALLTTHQRTHSHSKSHQNECGKAFSLTSLIRHRIHTG EKPFKCNICQKAPLMSHLAQVVR IHNEKPKYCSEGRAPQR SGLFQHQRTYHKKLA
5895	2967	86	HPSLLGALFPYPPFSPNPPPLYLPWNSHRKSRHF INQGGTHGE MRLFVSDGVPGCLFVLAAGRARGRAKVLIS TVGPEDCVVPFLT RPRVFLQLDSGNYLFTSAICRYFF/LLSGWEQDDLINQWLEN EATLQPTLSAALYIL/VVQGGK/EDVLGSVVRTLTHIDBSLS RQ/NCPLAGETESLADIVLWALYPLLODPAYLPEKLSALHSW FOTLSTQ/EPCQR/AARLVLRQ/QGVLAIR/PTLQKQPQPSPA EGKGLSPIEPKEELATLSEREIAMA VTAWEKGLSLVPLRPQQ NPVLVAGERNVLITSA LPYVNVPHLGNIGCVLSADVFARYS RLRQWNTLYLCGTDEYGTATETKAL/REGLTPOEICDKYHIHA DIY/RWFNLSFDIFGRITTPQO/TKIT/QDIPQQLKRGFVLQD TVEQLRCEHCARP/LADRFVEGVCPFCGYEERAGDQCCKGKLI NAVELKKPQCKVCRSCP VQSSQHLFLDLPKLEKRLSEWLGRITL PGSDWTPNAQFITPFGPREWPSKPRNO*TRDLK/NGNPGTP*E GFEDK/VFYVWFDTIGYLSITANTTDQNERWW/ENPEQVDLYQ FM/AEDNVPPHSLVFPSSALGAEDNYTL/VSHLATEYLYNTEG K/PSKSRGVGVFRDM/AHDTGIPPDISEFTL/LYIRPEGK/DSA PSWTDLLKNS/ELNMLGNFENRA/GMPVSKPFGG/YVPEMV LTPDDQRLA/HVTELEQHYHQ/LLEKVRIRDALASILTIS/RH GQYTI/QVNEPW/RIEGSEADQRAGT VTGLAVNLAALLSVML QFYMTVSATIQALQLPPACSI LLTNFLCTLPAHQIGTVSP LPQKLENDQIESLRORFGGQAKTSPPKAVVETVTTARPQQIOA LMEVTTQGSIVRELKQKADENEVAASVAKLIDLKQLAVAE KPEAPKCKCK
5896	2967	86	HPSLLGALFPYPPFSPNPPPLYLPWNSHRKSRHF INQGGTHGE MRLFVSDGVPGCLFVLAAGRARGRAKVLIS TVGPEDCVVPFLT RPRVFLQLDSGNYLFTSAICRYFF/LLSGWEQDDLINQWLEN EATLQPTLSAALYIL/VVQGGK/EDVLGSVVRTLTHIDBSLS RQ/NCPLAGETESLADIVLWALYPLLODPAYLPEKLSALHSW FOTLSTQ/EPCQR/AARLVLRQ/QGVLAIR/PTLQKQPQPSPA EGKGLSPIEPKEELATLSEREIAMA VTAWEKGLSLVPLRPQQ NPVLVAGERNVLITSA LPYVNVPHLGNIGCVLSADVFARYS RLRQWNTLYLCGTDEYGTATETKAL/REGLTPOEICDKYHIHA DIY/RWFNLSFDIFGRITTPQO/TKIT/QDIPQQLKRGFVLQD TVEQLRCEHCARP/LADRFVEGVCPFCGYEERAGDQCCKGKLI NAVELKKPQCKVCRSCP VQSSQHLFLDLPKLEKRLSEWLGRITL PGSDWTPNAQFITPFGPREWPSKPRNO*TRDLK/NGNPGTP*E GFEDK/VFYVWFDTIGYLSITANTTDQNERWW/ENPEQVDLYQ FM/AEDNVPPHSLVFPSSALGAEDNYTL/VSHLATEYLYNTEG K/PSKSRGVGVFRDM/AHDTGIPPDISEFTL/LYIRPEGK/DSA PSWTDLLKNS/ELNMLGNFENRA/GMPVSKPFGG/YVPEMV LTPDDQRLA/HVTELEQHYHQ/LLEKVRIRDALASILTIS/RH GQYTI/QVNEPW/RIEGSEADQRAGT VTGLAVNLAALLSVML QFYMTVSATIQALQLPPACSI LLTNFLCTLPAHQIGTVSP LPQKLENDQIESLRORFGGQAKTSPPKAVVETVTTARPQQIOA

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5897	2967	86	<p>LMDEVTRQGNIVRELKQKADKNEVAEVAKLIDLKQLAVAEK KPPAPKGGKKK</p> <p>HPSLIGATPFYPPSPSPWPPPIYLFWNSHRKSRHTINQRTGHE HRLFVSDGVPGCLPVLAAAGRARGRAEVLISTVCPEDCVVPFLT RPKVPVLQDSCGYLFTSAICRYFF/LLSGWEQDLTNQMLEW EATELQPTLSAALTYL/VVQGGK/EDVLGSVRETLTHIDHSL RQ/NCPLAGSTESLADIVLWALYPLLQDPAYLPEELSAHSH FQTLSTQ/EPQQR/AARRLVLKQ/QGVLAAL/PYLQKQPPSPA EGKLSPIEPREBELATLSHEEIAMAVTAWKGLSLPPLRPQQ NPVLPVAGERNVLTISALPYVMNVPHLQNIIGCVLSADVPAYS RLRQWNTLYLQGTDEYGTATETAL/EEGLTPQRI CDKYHILHA DIY/RWFNISFDIPGRTTTPQQ/TKIT/ODIPQQLLRGPVLQD TVEQLRCEHCARF/LADRFVGVCPFGYBEARGDQCKGKLI HAEVLKPKQCKVCRSPVQSSQHLFLDLPLKEKLEBWLGRTL PGSDWTFNAQFTTTPFGPREWPSKPRNQ*TRDLK/WGHPGTP*E GFEDK/VFYVWFDTATIGYLSITANTYDQWERMW/WEPEQVDLYQ FW/ARDNVPPHSLVPPSSALGAEDNYTL/VSHLDTATYLNEDG K/PSKRGVGVPRDM/ADTGIPPDISRFTL/LYIRPECK/DSA FSWTDLLKNS/ELLENLGNFINRA/CMFVSKPFG/VYFBNV LTPDQRLA/HVTLQLQHYEQ/LLEKVRIRDALESILTIS/RH GQYI/QVERPW/KRIGSEADQRAGTVTGLAVNIAALLSVML QPYMPTVSATIQQLQLPFPACSILLTNFLCTLPAGEQIGTVSP LFOKLENDQIESLRQRFGGQAKTSPPKAVVETVTAKPQOIQ LMDEVTRQGNIVRELKQKADKNEVAEVAKLIDLKQLAVAEK KPPAPKGGKKK</p>
5898	2967	86	<p>HPSLIGATPFYPPSPSPWPPPIYLFWNSHRKSRHTINQRTGHE HRLFVSDGVPGCLPVLAAAGRARGRAEVLISTVCPEDCVVPFLT RPKVPVLQDSCGYLFTSAICRYFF/LLSGWEQDLTNQMLEW EATELQPTLSAALTYL/VVQGGK/EDVLGSVRETLTHIDHSL RQ/NCPLAGSTESLADIVLWALYPLLQDPAYLPEELSAHSH FQTLSTQ/EPQQR/AARRLVLKQ/QGVLAAL/PYLQKQPPSPA EGKLSPIEPREBELATLSHEEIAMAVTAWKGLSLPPLRPQQ NPVLPVAGERNVLTISALPYVMNVPHLQNIIGCVLSADVPAYS RLRQWNTLYLQGTDEYGTATETAL/EEGLTPQRI CDKYHILHA DIY/RWFNISFDIPGRTTTPQQ/TKIT/ODIPQQLLRGPVLQD TVEQLRCEHCARF/LADRFVGVCPFGYBEARGDQCKGKLI HAEVLKPKQCKVCRSPVQSSQHLFLDLPLKEKLEBWLGRTL PGSDWTFNAQFTTTPFGPREWPSKPRNQ*TRDLK/WGHPGTP*E GFEDK/VFYVWFDTATIGYLSITANTYDQWERMW/WEPEQVDLYQ FW/ARDNVPPHSLVPPSSALGAEDNYTL/VSHLDTATYLNEDG K/PSKRGVGVPRDM/ADTGIPPDISRFTL/LYIRPECK/DSA FSWTDLLKNS/ELLENLGNFINRA/CMFVSKPFG/VYFBNV LTPDQRLA/HVTLQLQHYEQ/LLEKVRIRDALESILTIS/RH GQYI/QVERPW/KRIGSEADQRAGTVTGLAVNIAALLSVML QPYMPTVSATIQQLQLPFPACSILLTNFLCTLPAGEQIGTVSP LFOKLENDQIESLRQRFGGQAKTSPPKAVVETVTAKPQOIQ LMDEVTRQGNIVRELKQKADKNEVAEVAKLIDLKQLAVAEK KPPAPKGGKKK</p>
5899	326	1078	<p>NCPKSRPNQVRAFSLSPIRAAHALSDDVDVKQKEMMAFLBQ BANKKAREIDAKAEKFNIERGR/VQQLKIMEYTEREKQIE QKQKILMSTMRNQARLKVLRAENDLISDLSEAKRLSRIVEDP EYQGLLDKLV/LGLLELLSPVMIVRCR/ODILLVEAAVOKAI PEYNTISQKHEV/QIDKEA*LAVBCSWEVWEVTSQRIKVS TLERSLDLSAKQMPETRMALPGANTNRKFFI</p>
5900	64	1409	<p>KAAERDEPCLEPCPLGVSSHDLQHRMWHYRLSHLSRLQDLK GGVITYPALPQPNFKSLLPLAVNHTASKSLTCAWQBEDHPEL KYANTVMRPDYVHLRDECRSASCYSKTHQRLDITASVDLCIK RTIRLDSTTLFPNPDGVRVKYDLNMLVKNSTGCKQKQVQPRI LWNAEIIYQQAQVPSVDCQSFLETHBGLKKFLQNPILYGIAPVEN VPPTEHTEKLAERIILIRRTIYGRMWYFTSDPSRGDTATTKLA LDRBDITTYQRPQGIQVPHCLNHECTGCTLLVDGPHYAARDVL</p>

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			QKAPPEFELASASAI\KHETLEDVGECHQPHDNDMAQS*YSTHG/YEELYLIRVNNYDRAVINTVPYDVVHRWYTAHRTLTITELRRPEEPWVELQPCGVLFIDNRVVLHGRECFCTGYRQLCGCTLTTRDDVLTARLLGLQA
5901	1	2121	VALBQTSLEDMQAVGGAPAEPTGSEYICNQBAKYTSIDSPQTHL KTHLDTVLPKLTCPQCKRFPNQESLLKRVTHFMITSTYYICE SCDEQFTSVDDLQKHLDMHTFVFFRCTLQGVFDSKVSIGLHL \AVKHSNEKKVYRCTSNNDFRNETDLQHLVKNHLEEGQKVKH CIPGGSFGTEVELQCHITTHSKCKCKPCSKAFHAILLKKHL EEKHCVPFTKTPNGTNGASBQVQKEEVELQTLTHSQBSHSH DGSEEDVDTSEFWGCDICGAAYTMTLLQHEQLRDNIRPGES AIVKKAELIKGNVKNVCSRTFFSENGLRGEMQTHLQPVKEYM CPIOGERFPFSLTLTEHKVTHSKSLDTGNCRICMPLQSEEBFL EHCQMEPDLRNSLTGFCVVCMTVISTLEKLCHGTFFMCKTCN GSAVQTTGRGQHVQLVKACCLKEPRSKQDLVKLDINGLPTGL CAGCVHLSKASPGINVPCTHPRGLQGHENLSAIBGKGVGGL KTRCS*LATFP*VLKVELPEHPKPHRGVSRPDSSTQLKTP QVSPMRISPSQDEKCTYQCTKCMVFTYENDIQVHVAHMKID EGLNHECKLCSGTFDSPAKLQCHLHSPSGNGGTPPCPVCTV FVQANLQQHIFSAHQEDKIYDCTQCPQKFFPQTLQNHMTQ HSS
5902	712	209	LKRRRSRPSIRQSIGSTSVSRWLTSLFTYLDHTADV*V*REF IPLXPRQ*ED*MPQSWLHAMGDTLSEAFQCAMAMPOTMTDGT VEPLQTVRVETGQDQLSLSHFLDMLYKPSADEFFIP\GWGE EPLSLSKHPQGTVEKAITTSAHQVYENRNPVFFVIDI
5903	2106	735	DTPGPSLPSSTAFPSLRLSFFSRPSYLLPGDPQPLQGRGLPT PALFALSAPVGGASPMPPSGRLRLPLLLPLNLLVLTGPRPAA GLSTCRITIDMLVRRKRIBAIRGQILSKIRLASPPSQGVPPGP LPEAVLALYNSTRDRVAGESARPEPEADYTAKEVTVLMVET HNEIYDKPKOSTHSIYMFNTSELRAVDEPVLISRAELRLRL KLVQEVHVELYQRYENNSWYLSNRLAPSDSPENLSFDVTGVV RQWLSRGGEIEGFRLSAHCSDSRDNTLQVDINGFTTGR\RGDL ATIHGMRRPFLLMATPLERAQHLQS\SHRQAL\DTNY\CFSP HGGNCLRC/VHC*HLIFKDL\GW\KWI\RE\PEYHAFCL GPCTYINSLOTQYSKVALYINQ\HKPG\ASAP\CCVPQALBP\ LPVIVY\VGKPKVBQLSNMTVRSCKCS
5904	3	1126	MMEEIBNAINTFKESORLIYBELIKEKTTMBELSAISRIIDTW ALGNSETREAFRALESKVPVDKVTPTLPEBVLDFEKPLQQTGG RQGANDDYDHONFVVRNKHGKPTFMEEVLEHLFGKTQDEVQO HBQVYQKPLALRERKESIQINKTKKQKREEIFKLEKADNTP VLFPHKQEDNQKKEBQKQKLAVERAWKQKESIMSKCASQL KREERKQKHQKROBPQLKLLLESTYQKKEQEEFIRLEKEI REKAERAKRKNADEISRPOEDLHKLKILDRQAKEDKSO KORRLAKLKEKVENNVRDPSRLY/NT3QLRGRTNQKRTNRLN ATSTYPT*GYSNLETRNTEKSMR
5905	287	2912	MASFPFRVNEKIVRLRTIGELLAPAAPFDKCCRENTVAPAD DGSYFANSQGHRTVELVPSQCLQFLLHGTEVNTSSSLELPR QNSDGGQKPKPREHIDQGDIVMSLAPGSSVPERQSRVCNIEBH RPRFGQDQLLATGINSGRIRIMDVYTGKLLNLVDHTGVVRDL TFAPDGLLLVSASRDKTLRVWDLEDGN\MMKVLRGHQWVY\ SCAPSPDSSMICSVGSAKAVVAAILV*LRICHESHTGATMVL SNAERVASLATGLGATFTIG*SNLAFVLQGVLYVERCNSMSTPCP SFFLFFFFKVISPTVKH*LLSKLIQFYIGISLTSETNLM*SI WLSNGPSVLFPGLSDSRDILRL*PHLKPVLIPT*K*CIVSQK KKKPKRIALLQERLS*DKPPSSHLI*QTEVNIRILPRAILES* LLIFRI*NCI*TYS*IIDPFYIQMTYDRG*FGKENVK*FIEM *LYYPKIAFSCNVV*HPCCLPKPHLAVNLPACISCPSS*A QVGDPSLL*TSYDLGRCONSNLLTLRFLSVYFFKLVVSGKK REGGL*YLTLFLSVYPS*LVFGINGFYSFVVKLHCLYFMRLLI PKLTFWNT*NRICMSALINLKTDPNLMTLSIFFKLIITYNA* YNLN*I*QP*YEMCHPVLCHSE*SYNICLFTAGP\LHMDRYTM

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			ERKLEGGHEDVACDFSPDGLLATASYDTRVYIWDPHNGDILM EFGHLFPPTPIFAGGANDRWVRSVSFSDGLFVASLADDKMVR PWRIDEDYPPVQAPLSNGLCCAFSTDGSVLAAGTHDGSVYFWAT PRQVPSLQHLCKMSIRRVMPTEQEVQELPIPSKLLKFLSYRI
5906	146	2038	REGAGSGRMASGA\YNPYTEITEQPRQGRNFRYKCBRSAGSI PGEHSTONNRTYPSIQIMNYGKGRV\RIITLVTR\NDPKKPHF DLVGKDCRD\GYEAFQCE\RRP\LFPQN\LGTRCVKKEVKE A\IITR\IKAGINPFDVP*KQLEDIEDCDLWVRLWFRVFLPDG HGNL\TTALPPV\VSSPIYINRAPNTAEZLVCRVKNKCGSVRG DEIFLLCDKQKODIEVRPVLNDWEARGIFSQADVHRQVAIVPK TPPYCKAITEPVTVKQLEERSDQEVSESNDFRYLPDEKDTYGN KAKKQKITLLPQKLCQDHVETGFRHVQDGLLELLTSGDPPTLAS QSAGITVNFPERPRGLLGSGIGERYPKKEPMLPSHDAVVRMP TGVSSQARSYYPSGPISSGLSHEASMAPLPSSSWSSVAHPTPR SGNTNPLSFSFSTRILPSNSQGI PPLRI PVGNDLHASNACIYNN ADDIVCMERASSMPADLYGLSDPML\SNCSVMMITSSDSMGET DNPRLLSMNLENPSCNSVLDPRDLRQLHQMSSSSMSAGANSNTT VPVQSQDAFBSDFSCADNSMINESGFSNSTHPSHVFDUSQY SGIGSMQEBQLSDSPFYEFFQV
5907	99	1873	TYLLSSWS*MLDTKIKSQKRV/ERGHKLSWYPQPAKQNGK KATSKVPSAPHVPHNDHANREAEKCKWVEMREKQQAAREQE RQKRTIESYQDVLRRQREPEHKEEVLQELNMPQLDDEATRK ATYKEFRKVVETDILEVLDARDPLGCRCPQMBRAVLRAQGNK KLVLVLNKIDLVPEVVEKWL DYLENELPTVAFKASTQHVKNL NRCSVPVQASBLLKSKACFGAENLWRLVGNHYCRLEVRTHIR GVVGLPNVGSSELINSLKRSRACSVGAVFGITKPMQEVYLDKF IRLIDAPGIVPGFNSVGTILENCVHVQKLADPVTPTVETILQRC NLKEISNYYGVSQFQTTREHFLTAVAEHLKCKKKGLYSQEQAAK AVLADNVSGKISFYIPPPATHLPTLSARIKEMTEVPDIEDT EQANEDTMECLATGESDRLIGDTPLEMBIKLLHSPMTKIDAI ENKTTVYKIGDLTGCTNPNRBMQGWAKRNVDRPKNSMNDVC SVDRSVLQRI METDPLQGGQALASALNNKQKQKRAKLIASKL SDSNMSALDLSQADDDGVGD
5908	247	975	HCEIKRGECSGSPSPASGGFQLGCQIPSPSLPSREETHPHTRA HRTLRATLIRPPRSHSTLRFPMLDGGGLASNK/PMRER* GWRPAPAKAGASLGVAATGKRCRMSERYLQKATRGKLLIIPI VTLNQEVSSANHHKAAHVKTGTCEVVALHRCCKENKIBERSQT VECSCTPGQVAGTTAAAPSCVDASIVEQKWNCHMPCLEGECK VLPDRKGSWSCSGNKVKITRVTH
5909	1	5002	PAIPGSTIWAAPGSHSAARADGRHGSLSFSQSQAPGALCGARAP SSNLRADRSMI CAQARAGENLYHNRFLGLAAMAPPSRNSQSLRR CKEPIRYSYNPDQPHNMDLRGGPHDGVTTIPRSTSDTLVTSDSR STIMGRSSYYSIGHSQDLVIHWDIKREVDAGDWIGMYLIDBVL ENFLDYKRGVSGSHRGQIINKIDASSYPVPETKICPKYHGV SGALRATTPSVTVMNSAAPIFKSIGADETVQGGSRRLISFSL DFQAMGLKGMFFNPDYLIKISIQPKHSIFPALPHHGQERRSK IIGYIVNP IWQABQFSFVSLPTDVLIEVKDKFAKSRPIIKRFL GRLSNPVQRLLEKHAIGDRVVSYTLGRRLPTDHSVGLQFREFI TGSINHPDDEISLSTEPESAQIQDSPMNLMSRSGSGRPRSEAPE SSESWKPEQLGEGSVDRPGNSIELSRPAEAAVITEAGDOGM VSVGPEGACELLAQVQKDIQAPASAEELAEQLDLEASALLLE DGEAPASTKEEPLLEEATQSRAGREBEKEQEREGDVSTLEQG EGRLQLRASVVRKSRPCSLFVSELETVIASACEDPETPRTHYIR IHTLLHMP3AQGSAAREEDGARREESTLKDSEKDLSEVDIV AADPSALEEDREPEGATPGTAPHGSGGHFPSLANGAAQDGT HPSTGSESDSSPRQGGHSCRCGDASCCSPSCYSSSCYSTCYS SSCYSASCYSPSCYCNRFASHTRFSSVDSAKISESTVFPSSQDD EREENSASFESVPDSMQSPELDPESTNACAGPWQDELAAPSCHVER SPEGLSEFVAGPSNRREGSCPILHNSQFVSQLPSLRPEHHYPT IDEPLFPNWEARIDSHGRVFFYVDHVNRTTTWQRPTAAATPDGMR RSGSIQCMELNRRYQNIQRTIATERSRSDSGSQSCQAPAGGG

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			GGCGSDSRARSSQSSIDLRRECSLSPVNSQKITLLIQSPAVKPI TNPEFFTILHANYSAIRVPTSTCLKHMILLVRDARNFERYQH NRDLVNFIMFADTRLELFRGWEIKTDOGRSPFVDHNSRATTF IDPRIPLQGRPLNHLTRQHLQRLRSYSAGEASEVSRNRGASL LARPGSLVAATRSQCHESLFLAYNDKIVAFLRQPNIFBQLQE RQPSLARNHTLRKIDYIRTEGNGLEKLSQDADLVILLSLFEB EINSTVPLQAAPHPGYSFSPRCSPSSPQNSPQLQASARAPSP YRRDFEAKLWFFYRLEAKGFGQGFQKIKLIIRRDHLLBOTFNO VMAYSRKELQRNKLVTFFVGBEGLDYSGFSPREFPLLSQELFNP YYGLPEYSANDTYTVQISPMESAFVNHLEWFRFSGRILG\LALI HQYLLDAFFT\RPFYKALL\RLPC\D\LSDLTYLDKEFHQSLQW MKONNITDILDLTPTVNEKVFQVTERELKSGGANTQVTEKNN EYLRMVVMKRVVERGVVQTEALVRGFFYEVDSELVSVFDARELE LVIAGTARTIDLDNRNNTYRSGYHGDHLVIRWPAVERFNNB QRLRLQFVTGTSVPPYEGFAAPPWEPMLRRLFP*KKWGKITS LDFRG\HTCLQPDMDLPTVSPRTMPLYK\LITA\VBETSTPOT VAFPAAMBEGRTQIKLDFRYTADILLEVLKTYGIPSAFCSQPT AAQLRLALGPVRLALTSILTLALGSIATFLEDAVYLYKNTLCP IKRRTLLWXSAPTUVSVLCCFGLMIPRSLVLEMTITSFYAVC FYLLHLVHVEGGGKEAVLRTLRDTPMNVHTGCCCCCPCCPRL LLTRKKLO\RCWALSNTPS*R*R*PWNACFSSPTASMTQQTPL RGACLYGSTLSSA\CSITLALWTLGIISROARLHLGGRMGAKP ALFQVLLILITALQPSIFSVLARGGQIACSPFYSSKTRSQVNHCH LLILETFIMTVLTRYRRKDKWGYETFSFPDLNLKALRNM AWIMRGCCCH
5910	1526	446	QPLAPCTQGGKLMRSFKPQSFILRSSHSGAGLLVKNPSTPVF CGHRRGGAAFTYKPTPVVGPQRPTGQKHMGGVSLSPRECS GTLSABCMRLPSSNSPAPAS*LAGITGVCHHAQLIFVYLVET GPHVVGAGLELL\NVVTHLPRPPKVLGLQA
5911	109	595	MILNKALMLGALALTVMSPCCGEDIADHVASGVNLYQSYGP SQQYSHKPDGDERFTVDLERKETVWQLPLFRFRFRFPDQFALT IAVLKHNLTIVIKRNSSTAATNEVEFTVFSKSPVTILGQNTLI CLVDNIFPPVNVITWLSNGHSVTEGVSETRPSSPKSDHPIJLQDQ VTSPPFPFB*DL*TAKVBOLGANFEPILLKHGARIPTTL
5912	924	277	QLRMAGAEAGRGSELEFPVSLVDLEDELENEACAVLGGS DSERKCSYSGQSVKQALYACSTCTPEGKEPAGICLACYEBCGS HKLPELYTKRNFRCQGRSKFKHLECKLLPDKAKVNSGNKYNDN FPGLYCIKERPYDFDEIIPDEMTQCVCEDWPHGRHLGATPPE SGDFQBVQACMKRCSFLWYAAQLAVTKIST\GMMDWGSTM B*DDQEVIKPENGRHODSTLKEDVPBQGGKDDVREVKVQNSRP CAGSSSRSDLQTVFNTESLWARSKSGCKLQELKAKQLIKKOTAT YVPLNWSKLCCTQDCHMYGDLVDVLFITDEYDVLAYNRGKI AQATDRSDPLMDTLSSMRVQVVELIC/GIQ*FED
5913	46	1198	NLGGSELPPREALPTQVASMQRVDFYLASIEDMLVAI/GGRN ENGALSSVETYSPTDSWSYVAGLPRFTYGHAGTYKDFVYISG GHDYQIGPYRKNLLCYDERTDVBERRPMTTARGWHSMSLGDS TYSIGGSDNIBSMERFDVLGVEAYSPOCNQWTRVAPLLHANR SGVAVWEGRIYILGGYSWNTAFSKTVQVYDRBADKWSRGVDLP KAIAGGSACPIAP*SIGQRTRKRAKARGTGTGASDPSCASWDH PHEHLPGLCRPAATS
5914	960	124	FFGRPTREPLKLRRRRRARIQAPHCIUSFRPTCTPGALQAPBA PASRAEGPVAVVNGHTEGPAPARSAPKPPGLPRPLGSPFCTPT PQEDFPALGGPCPPRMPSPGFSAVILLGTTPPPPPGLVPPIS KPPPGFSGLLPSHP\PVSPAPPPPPQX/RPRLLPAP/PGLPS PRELPGRKPSAHPVHGLPAERRGLQRVQEPRLRGVQTGPDLS FVLQELPGPAGGEFFGL**AAGPAAH
5915	1604	703	SFRMWEIKGPHWRNESPSEGENPSPRIPEPSPDSTRTSGEGCR TVTGAVHHLHNVAGIIPFWLHSQLKPTAATAOQWTSQQYPDB PTRLILO*NOATADKNN*TTALLQPHQRL\VSFEMABA
5916	256	633	ARQILTYLEP/ICLVVYNKILTVFLTKSVLEI*KFIHTPQTYR
5917	1343	827	

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5918	13	1247	<p> F*NDFFGKIEVYVSRRIRKTSF/RLAVTFLEQAVVSKBCVPVDQ FMEHLPSLLSLASDPVNVVLLAKALRQMLLEKAYPRNAGNP HLEVIRETILALQSDRDQDVSPPAALBPKRNIIDTAVLEKQN BBAQVARRRSRRQWRAGRCGEGRGRRARCTGGRGPPGRPRPLP PGPARRRRRMETPTFCDEALSGLGGGAGSGGTFASPORLPFG APPTAAGSSMKKDALTLSEQVAAALKPAPAPASYPAPA/ADG APGAAPPDGLASFDLGLLKLASPELERLIQSNGLVTTPTSS QPLYPKVAASEBQEFAGFPVKALEDLEKQNLGAGRAAAAAA AGGPGSGTATGSAAPGELAPAAAAPAPVYA/NLSSY/AGGCRGL RGGAAAT/VAFAPFPVPPPPPPFGALGPERP/RLALQGRRPQTV PDVP/SFGESP/PLSP/ET/DTPRRI/KAKRRRL/RNPQIRAPK PASRKLAGQSRALERESEDPSS*SPRHSLASTASLLRQVAQLK QKVLSHVNSGCOLLPQHVPAY </p>
5919	1	4254	<p> TSVQGDSSQGTPTSSQGSIMRHWISQAIHGSTTSTSSSTQSG GSGAAHRLADVMAQTHIENHSAPPDVTYTSRHSIQVERPQGST GSRAPKYGHAELMETGDDGVFVSSRVSAKIQQLVNTLKRPRRP LREFPVDDPEELLEVQQPDNPQPKPEGAQMLAMRGEQLGVVITW PPSLEAALQRNGTISPKAPCLTMDTNGKPLYLITGKLNTRSM KVAYSILHGLTKQEFMVRPGDEVALVFPNNDPAFMAAFYGCCL LAEVVPVPIEVPLTRDAGSQQIGPLGSGGVITVALTSDACHRG LPKSPFGIPQKQWELKLFVTRSKHLSKPPDHF/PHIKDAM NDTAYIEYETCK/DGSVLGVTVTRTALLTHCOALTQACGYTRAR TIVVVLDPKKDVGLMHGILLTSMVMHVLISIPYSLMKVNPLSWI QKVCQYKAKVACVKSMDHVALVAHRDQDRIHLSLRMLIVADG ANFWSISSCDALNVFQSKGLRQEVIPCASSFEALTVAIRREPT DDSNQPPGRGVLSMHGLTYGVIRVDSEKLSVLTVDVGLVMFG AIMCSVKPDPVQLCRTDEIGELCVCAVATGTSYGLSGMTKNT FEVFAMTSSGAPISSEYPTFRTGLLGFVGPGLVFPVVGMDGLMV VSGRRHNADDIVATALAVEPMKEVYRGRLAUVSVTVLHDERIVI VAEQR*DSSTEEDSFQWMSRVLQAIDS HQVGVYCLALVPANTLP KPLGGIHLSETKQLEFGSLHPCNVLMCFHTCVTNLPKPRQKQ PRIGPASVMVGNLVSGKRLAQASGRDLQIENDQARKFLPLSE VLQWRAQTTPDHLTYTLNCRGAIAESLTCVQLHKRAKIAVML MERGHLQDGDHVALVYPPGIDLLAIFYGCLYAGCVPTTVRPPHP QNIATTLPTVMKIVEVSRSAELMTTQLICKLLRSRAAAAVDVR TWPLILDIDD*PKRPAQICKPCNPDTLAYLDFSVSTTGNLAGV KMSHAATSAPCRSIRLOCELYPSREVAICLDPYOGLGFVWCLC SVYSGHQSLIPPSELTPALWLLAVSQYKVRDTFCSYSVMEL CTGGLSGQTESLKARGLDLSRVTCVVAERPRIALTQSPSKL FKDLGLHPRAVSTSPGCRVELALCLQGTSGPDPTTVYVDMRALR HDRVRLVERGSPHSILPLMESOKLLPGVRIIANPSTKGPLGDSH LGRHIVHSAHNASGYFTIYGDESLQSDHFNRLSPGDTQTINAR TGYLGLRRTTELTDANGERHDALYVVGALDEANBLEGMRYHPID IRTSVIRAKSVTECAVPTWNLVVVVVZLGSBQEAALDLVPLV TNVVLREHYLIVGVVVVDIGVIPINSRGEQRMHLRDCFLADQ LDFIYVAYNM </p>
5920	1381	1499	<p> QLGAVAHAGVSRIIP*LPFPLHPTFLSLNCLHHLKLP/HPPGASH VRPPVVPFRPPAHISSVRQASTQVPRTVPHQORVANIGTQTGP SGVGCTPGRPLLPCKCSAAHSTYRQEPVAVHHPQEPLTASM LAAAPLHEQKONIGERLYPLIHDVHTQLAGKITGMLEIDNSRL LMLBSPESLHAKIDEAVAVLQAHQANEQPRAYMH </p>
5921	727	157	<p> VCPCTGGH*GLNGQLGLPKETPLKPMDAFTGSGLEKRFDDVDV GSSVNSDDKISSDSADSCSLNPPTASPTPTSILKROKQLR RKNVRFDQVTVYYPARRQGFTSVPSGGSILGMAQRHNSVRSYT LCEPAQEQEVNIREILREHLKEEKHAKMKLTKNGTVESVAD GLTLDDVSDKIDVENVEVDYFLOPLFTKRRRALLRAGVHR IDAREKQELRAIRLSREECGDCRLYCDPEACACSQAGIKCQVD RMSPPCGCSRDCGGMAGRIEFNPIRVRTHYLHTIMKLELESKR Q/GAAQQPO/*GALPDCQLQPDRTGL*DPNIGSEGLSFTGEG AATHTLIILRVIEHNGABGKRK </p>
5922	2475	495	<p> SYSNWGLPPSVFTQVPRSRGTNLRKIFLIFYSYR/CMETLKG/T </p>

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			CLYNATQYKVCSPRNDPACYNPSEPAATTVFIRITGLLIGDT SKIITRTBEKEIPKQITLRFDAACAINSKLRI GCGSIN*ERS* RVENKYVCHESGVCKNCAYWPCVI*AT*KKNKDSVTLQGEAN PSCAAGHCNPLELITNPLDPHKKGERVTLGIDRTGLKQVVI LIRGEVHKCSVPVPTPYEELNLPAPELLKKTNLFIQLARNV IPLLNGTSCYVRGOTTIGDRNPWEA*ELVPTDPAPDIPI*KAE ASNP*VLKTSIIRQYCIAREGKDFIIPVGFKNFCIGRLYESTTK TIT*DLNHTKQPPFSKSLTA*AHASH*DMTVPSGLY*YC RHRAYFRLPNKNADSCVIGTIKPSFLLPIEDGRLGFSVYASR EKKGIVIGNWKDNENPRERIIQYGPATWAGGSGYR/TP/VY MLHWIIRLQAILIISNETGBALTVLAWQBTOMRNALYQNRAL DYLLVABGGVCRKPNLTWCCQINDQGVVKNIVDMTFLAHVP IQVWHKFDPSLFGKWFPAIGGFTLIVGVLLVIRTCLLPCVL PILLFQMIKGIIVATLVHQTSARVNTMNHYSISQROSKSEDESE NSH
5923	137	638	QLCHREGQRFETSIRKHPPI*RTCPNTNL/IILLSQENTQIRDL QQENRELMISLEHQDALELMSKYRQMLQIMVAKKAVDARPV LQARQSHSARIQSQIDRI CEMGEVMKAVQVDDQPCIKIQLA QLELENKELRELLSISSELOARKENSHDTASQAIX
5924	274	2146	EKGKVDAGAEQWISLSLSCGKSWFTQFSNHLNLSLTPPTSVERM PLITTVTLKMWARHEMLLCSKAFSTOLQOKIPLHSGMGIHHD SVCKMLKPNSTSHISILAGQPMALVOLETAPLTI I IQKPTQD RMKFWNLPLRSEHILTPSVPTVIPKKTGSPRIKIKITRTIQNG RELPESLCCGDLNFWQASE\Q*NGSIESRKKRKKSNKEDSSR SEERKSHKIPKLEPSEBQNEPNERVDIVSEKPREPVLKBSGSS ANTI PCSNNGSVWF\PKQVODLVMSKVGTYFWMPCHVSSDPQL EVHTKINTRGAREYHVQPFSSQPERAWVHRKRVREYKGRQYEE LLAEATQASNHSEKQIKRKPQRERAQWDIOIHAERKALMT REERTIQYTFIYIDKQPREALSQAKKS VASKTEVKKTRPRSVL NTQPEQTNAGEVASSLSSTIRKHSORRHTSABEEPPPVKIAM KTAARKSLPASITMHSLSLQKCNMSPVVKI BOVFALQNTG DGKFI DQFVYSTKIGNRTRI SVRQDRLIISTPNQRNEKPTQS VSSPEATSGSTGSVEKQQRRIIRTSSEKSTEVVPKKIKK KB QVGLHVES
5925	216	1911	NMTAESREATGLSPQAQKDGIVIVKVEEDEDHMGQDSTL QDTPPPDPPIFRQRFRRPCYQNTPGPREALSRLKELCHQNLPR INTREQLLELLVLEQPLSLPKEQLQVWLQETRPDSGKEAVTLE DLRLDLGGQVPGQVHSPMLARGMVPDLPVQSSSFDLHHEAT QSHFKESSRKPRLLQSRALPAAHIPAPPHEGSPRDQAMASALPT ADSQAMVKI EOMAVSLILEKWCQNLARENLSDNRQENTGSAF PQGGENRNEVERSTS KARTSEDSASRGTTGRSQKEPGEKRDQK CKTGERQQKNPREKTRKRRDSSGPAIGDKXTITGHRGPREKKG GLGRSPSLSENFTTPEEVTGTESHERCDECKCPTRSSSLTRHK IHTGKPYECSECGKAP\SLNS\NLVLEHRI\HTGKPEHCNE CGKAPSHSNLILHQLHSGKPYECNECGKAFSSQSD\LTKHQ RIHTGKPYECSECGKAPNRNSYLILHREVHTREKPYECTKQGR \APTRSSYLTLHHRIRARERASEYSPASLDAPGAFKSCV
5926	2	233	DRCLMLKQSGSPGSPAT/CKPPAPPVYQAPCQSCPBPFGAHP SDSPHETPVHPPFESAACPAPATCCPPRSMMS
5927	4146	1248	KHPSKPGSQALYQLKRPASGQNSISVMPAQKITKPAKYGIPLA YKYGDRKLEKRPQKHQAHQTPKRVNTGERRKISBEAAR KRRLEPIEKKKQKQDIISLMAKQMKRQKELERINRAREQG WENVLSAGSGSEVKAPFLGSGGTIAPSSFSSRGQYHYBAI FQ MQQRAEDNEAKVIREITYGRGLPERQKQQLAVERAKQVEEFLQR KREAMQNKARABGMSILQNLAAMTGGRPSSSRGKFRNKEBEV YLARLQIRLQNFNRQOIKARLGEKKEANHSBQEGSBEADM RRRK\IESLKAHANARAALVLEOLEKRRKRAYKRRKVVSEHLV AKGVKSSDVS PPLGQHEGTGGSPSKQMRSVISVTSALKRVGVS SLTUTRETSKEMQTNHAISSKRRI LRRINENLKAQMDERKQN LSDTFEINVEDAKKHEKEKSVSSDRKQWRAGGQLVIPLDELTL DTSFSTTEKHTVGEVILGPNCSPRANGKSPDTSVLEKIGEAR

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			LQLQTELENTTIRSEISPEGEKYPKLTGEEKVQCISHEINPS AIVDSPVETKSPEFSRASPQMSIKLEGNLEEDDLLETEILQEPS GTNKDE\SILPCTITDWWISEBKETKETQSADRITIQENEVSERDG VSSITVDQLSDIIEPTINDSQHSKCDVDKSVQPEPPPHKVVHSE HLNLVPOVQSVQCSPEESFAPRSHSLPPRNKNKNSLLIGLSTG LPDANNFHLRTCSLPDLKLPFTLMOVPTVGDVRODLBIDRI EDENIKEGPSDSSEIVFRETDTDLQELQASMEQLLRQPGERTS EEESVLKNSDVEPTANGTVDVAEDDNPSSSALNEEWSHNSD GEIASRCECDSEVNHLEELRLLELQEMGFPRKPFVYVKIKAIHE DEDENIEICSKIYQNTILGNEHQHLYAKILLHLVMADGAYQEDNDE
5928	4146	1248	KHFSKPSQALYQLKRPAGONSISVMPAQKITKPAKYGIPLA YKKYGDKLEKKKPLQHHQDABQTPKRVNTGERRKISEAAR ERRLEPIBKCKKQKQDIISLMKAPQMKRQKRRLERINRAREQG WRNVLGAGSGEVKAPFLGSGGTIAPSSFSRGGQYEHYHAIPOQ MQQORAKINEAKNRRIYGRGLPERQKQQLAVERAKQVEEVQOR KREAMQKARABGHMGTILQNLAAHYGGRPSSRGGKPRNKREBV YLARLQIRLQNFNERQQLHAKLRGKKRANHSBGGSGSEADM RRKK\IESLKAHANARAAVLKQLERKRRKAYRRKRVWEHLV AGVKSSDSVPLQGHETGGSPSKQMRSVISVTSALKRQVGVDS SLTDTRETSEMQKTNALISSKRRILRELNENLKAQEDKRGKON LSDYFEINVHEDAKRERREKSVSSDRKWEAGGQLVLPDELTL DTSFSTTERHTVGEVILKLPNGSPERRAWGKSPYDSVLKILGRAB LQLQTELENTTIRSEISPEGEKYPKLTGEEKVQCISHEINPS AIVDSPVETKSPEFSRASPQMSIKLEGNLEEDDLLETEILQEPS GTNKDE\SILPCTITDWWISEBKETKETQSADRITIQENEVSERDG VSSITVDQLSDIIEPTINDSQHSKCDVDKSVQPEPPPHKVVHSE HLNLVPOVQSVQCSPEESFAPRSHSLPPRNKNKNSLLIGLSTG LPDANNFHLRTCSLPDLKLPFTLMOVPTVGDVRODLBIDRI EDENIKEGPSDSSEIVFRETDTDLQELQASMEQLLRQPGERTS EEESVLKNSDVEPTANGTVDVAEDDNPSSSALNEEWSHNSD GEIASRCECDSEVNHLEELRLLELQEMGFPRKPFVYVKIKAIHE DEDENIEICSKIYQNTILGNEHQHLYAKILLHLVMADGAYQEDNDE
5929	3	1558	LDFSMPTQLPAYVAILLPYVSRAQQDTPTAARVYHAAIIPNAT LTPVERKEALALNNRNLIDLEGALTSAADQGAHIVTPEDAIYG WPNRDSLYPYLEDIPDPEVWNPCHNRNRPGQTPVQERLSCL\AKNNSIYV VANIGDKKPCDTSDPQCPDGRYQYNTDVVF\DSQG KLAVRHEKQALPNGENQFNVPEKEPIVTFNTTGSFGIFTCDI LFHDPAVTLVKDFHVDITVPTAMNVLPHLSAVEPHSAMACM RVNFLASNIHYPSSKMTGSGIYAPNRRAPHYDNKTERGKLLS QLDSHPSSSAVWNWTSYASSIEALSSGNKRPKGTIVFFDEPTFVK LTVGAGNYTVQKDLCCILSVKMSNIFNEVVALGAFDGLHTVE GRYLIQICTLLECKTNTNLTCCDSAEASTRPFMPSLSGTFGTQ YVFFEVLLSENQLAPGEFQVSTQGRLEPSLKPTSGFVLTVTLPGR LYEKONASNASGQLAQARIIMLIVLAPIVCSLSW
5930	113	6082	RGNCFNIVPPTMAQRTGLEDPERYLFVDRAVINPATQADWTAK KLWIPSKRHGFEAASIKERRGEVMVELAENGKRAMVNRDDIQ KQWPPKPSKVEDMAELTCLNEASVLHNLDRYVSGLIITYSGLE CVVINPYKNLPYISENLIENYRGKGRHEMPPHIYALSESAYRCH LQDREDQSILCTGSGAGKCTENTKVIQYLARVASSHGRKDN IPGE\LERQLQANPILESFGNARTVQNDNSSRFGKPIRINFV TGYIVGANIETYLLEKRAVRQAKDERTFHIYYQLLSG\AGEHL KSDLLLEGFNMYRFLSNGYIPIPGQ\QDKGNFRGDPGEAMHMG PSHEKILSNLKVSSVLQFQNISFKGRNTDQASMPENTVAQKL CHLLGMNVMEFTRAILTPRIKVRDYVQKQTKQADFAVEALA KATYERLFRWLVRINKALDRKQCASFIGILDIAGPSIFBLN SFEQLCINVTNEKLOQLPNEIMPILQEEYQREGIENWPFIDFGL DLQPCIDLIERPANPGVALLDBECNPPKATDKTFVBEKLVQSQ GSHSKFQKPRQLKDEADFCIIHYAGKVYKADENLAKNMDPLND NVATLLHQSSDRFVARLWKVDRIVGLDQVTGNTETAFGSAYRT KRGMPRTVGLYKESLTKLMATLRNTNPNFVRCIIPNRRERACK LDPHLVLDQLRCNGVLEGIRICRQGFPPNRTVQEPFRQRYEILTP

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			<p>NAIPKGFMDGKQACERMI RALELDPNLVYIGQSKIPFRAGVLAH LEKEROLKITDIIFPAQVCRGYLARKAFKKQQLSALKVLQR NCAAYLELRHWQWVFTKVKPFLQVTRQEEELQAKDEBLLKVK EKQTKVEGELEEMERKHQQLLEKRNILARQLQAE TELFAAEEM RARLAARKQELERILHDLSESRVEEERENQILQNEKKKMOAHIO DLEQLDEBEGARQLQLEKVTAEAKIKKNEEILLLEDQNSKP IKKKLMEBRIAECSSQLAEERKAKNLAKIRNKQEVMSIDLEE RLKKEKTRQELKAKRKLOGETTDLDQDIABLQAIQIDELKQL AKKEELQALARGDDETLKKNALKVVRLELQAIQAELOEDFES EKASRNKARKQKRDLSBELKALKTLEOTLDTTAAQQLRTKR QEVARKKALEETRNHEAQIQDMQRHATALEELSEQLQAKR FKANLEKNQGLSTONKELACEVKVLQVKAESSEKREKLDQV QELHAKVSEGDRLEVLAKKASLQNELDNVSTLLEERKKGKIK FAKDAASLESQLDQTELLQETTRQKLNLSSTIRQLEEKNSIQ EQEKEERAKNLEKQVLAQLQSLADTKKVVDDLGTTIESLEEA KKLLKDAEALSQLEKALAYDELEKTKNRLQELDDLTVDLD HQKQVASNLEKKQ\KQFDQLAEKKSISARYAEERDRABABAB KETKALSLARALEAKKEPERQKQLADMEDLMSKDDVG KIVHELEKSKRALEQQV\BEMRTQLEELQEDQATEAKLELV NMQANKAQPERDLQTRDBQNEKRELLIKQVRELEAELEDERKO RALAVASKKMEIDLDLEAQTRAAKARDEVITKRLKLOQMK DYQRELEBARASRDEIFAQSESEKILASLEAETLQLEELASS ERARRHABQERDLEADITHSASGRKALLDERRELEARLAQLE ELEEBQSNMELLNDRPRETTLLQVDFLNARLAERSAQKSDNAR QOLERQNKELKAKLQLELGAVSKFKATISALEAKIQLEBQLE QEAKEAANAANKLVRTKELKRIFMQVEDERREADQYKEQMEKA NARMKQLQRLERAEERATRASRRLQRELDATANEGLSR EVSTLKNRLRGQPIISFSSSRGRRQLHLEGASLELSDDTESK TSOVNRTQPPQSE</p>
5931	113	5082	<p>RGNCFWIVPFTMAQRTGLEDPERYLPVDRAVIYNPATQADWTAK KLWNPISERHGFRAASIKKEERGDEVNVLAEENGKAMVKNDDIQ KMNPPKPSKVEDMAELTCLNEASVLENLKDRIYSGLIYTYSGLF CVVINPYKNLPTYSENIIEHYRGGKRRHMPPIYAISESAYRCM LDQREDQSILCTGEGAGETENTKKVIQYLARVASSHKGRKDN IPGE\LERQLLOANPILSPGNARTVQNDNSSRPGKPTRINFDV TGYIVGANITYLLKRSRAVRQAKDERTPHIFYQLLGG\AGEHL ESDLLLEGFNYRFLSNGYIPIPGQ\QDKGFPGDPEGRAMHMG PSHEETLSMLKVSVSLQPGNISFKKERETDQASMPENTVAQKL CHLLGMNVMEPTRAILTPRIKVGDRYVQIAQTKQADPAVEALA KATYERLFRWLVERINKALDRTQGGASFIGILDAGPBIPELN SFEQLCINITYNEKLQQLFNHTMFILEQEBYQREGIENHETDPC DLPQCIDLIERPANPPGVLALEDCEWFPKATDKTTFVEKLQBEQ GSHSKPQKPEQLKADPCIIHYAGKVDTKADSWLMEHMDPLND NVATLLEQSSDRPVARLWKDVRIVGLDQVTEGTEAPGSAYKT KMGFRTVGLYKESLTKIMATLRNTNPNFVRCIIPNHEKRAK LDPHLVLDQLRCGVLEGIRICRQGFPRIVPQEPQRYEILTP NAIPKGFMDGKQACERMI RALELDPNLVYIGQSKIPFRAGVLAH LEKEROLKITDIIFPAQVCRGYLARKAFKKQQLSALKVLQR NCAAYLELRHWQWVFTKVKPFLQVTRQEEELQAKDEBLLKVK EKQTKVEGELEEMERKHQQLLEKRNILARQLQAE TELFAAEEM RARLAARKQELERILHDLSESRVEEERENQILQNEKKKMOAHIO DLEQLDEBEGARQLQLEKVTAEAKIKKNEEILLLEDQNSKP IKKKLMEBRIAECSSQLAEERKAKNLAKIRNKQEVMSIDLEE RLKKEKTRQELKAKRKLOGETTDLDQDIABLQAIQIDELKQL AKKEELQALARGDDETLKKNALKVVRLELQAIQAELOEDFES EKASRNKARKQKRDLSBELKALKTLEOTLDTTAAQQLRTKR QEVARKKALEETRNHEAQIQDMQRHATALEELSEQLQAKR FKANLEKNQGLSTONKELACEVKVLQVKAESSEKREKLDQV QELHAKVSEGDRLEVLAKKASLQNELDNVSTLLEERKKGKIK FAKDAASLESQLDQTELLQETTRQKLNLSSTIRQLEEKNSIQ EQEKEERAKNLEKQVLAQLQSLADTKKVVDDLGTTIESLEEA</p>

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			<p>KKCLKDAEALSQLERKALAYDKLEKTKNRLQQELDDDTVDLD HQRQVANSLEKKQ\KKPQQLAEKKSISARTASERDRABAEARE KETKALSLARALERALEAREEPERQNKQLRADMEDLMSSKDDVG ENVHELEKSKRALBQQV\ENETQLEKLEDELQATEDAKLRLEV NMQAMEAQFERDLQTEDEONBKKRLLLIKQVRLEAKLEDEKRO RALAVASKKMBRIDLEAQIRAAKARDEVITQLEKLQAQMK DTQRELEBARASRDEIPAQSKESKELKLEAKTLQLEQLASS ERARRHABQERDELADEITNSASGESALLDEKRLLEARIQALES ELEBEQSNMELINDRFRRTTLQVDTLNARLAAERSAAQKSDNAR QQLERQNKELKAKLQLEGAIVESKFRATISALEAKIGQLEQLE QRAKRAAANKLVRRTEKKLKEIFMQVEDERRHADQYKEQMEKA NARMQKLKQLEBAKEATNANASRRKQLEKLDATNANGLSR EVSITLKNRLRGGPISFSSSRSGRRQIHLEGASLELSDDDTESK TSDVNETQPPQSE</p>
5932	33	572	<p>RHLKEICPLFLQKGRKILKSGPRWEGKPRGTGGLMVAAEANNQ FGATLAVGLTIPVLSVVTIIICFTCCCLYKTCRRPVPVAPP PHEP/PVUHAPYQPPSVPPSYPGPSYQYHTDPPQPGHAPAFY FMQYPPFYPAQPMGPPAYHETLAGGAAAFYPASQPPYHAPYMDA FKAAL</p>
5933	1	3190	<p>GTRKLEKMADETPGGSQKASSKTRSSDVHSSGSSDAHMDASGSPSD SDMPSRTTRPKSPREHNYRNESARESLCDSPEQNLSRPLENKLK APSIGKMTAKRTLSKKQEKLEKKEDEKAAARIYEEFLAAPEG SDGNKVKTPVRGGVVNAAKEHEHTEDEKRGKITYKPSRFPADQKNP FNQSSNERPPSLLVIBTKKPPLEKKEKKEKSNLELFEKELRQI QERDERHRTKGRLSRFPQSDSDGQRREMDAPSRNRNSSGVL DDYAPGSHVDGDPSTT\NPYLGN\NPMNLKCCQEPGRFGP LASVKIMWPTDEERARERNCGFVAFMNRDAERALKNLNGEMI MSFEMKLGWGAVP\IPHP\IYIPPSMERTLPPPSGLPFNAQP RERLKNPNAFMLPPPKNKEDPRTLSQAIVKVVIPTERNLLALI HRLIEFVVRGPMFRAMIMNREINNPMFRFLFENQTPAHVYYRW KLYSILQGDSPTKWRTEDPRMFNGSFWRPPLNPLYLHGMSEBQ ETEAFVEEPSKKGALKEBQDKLEELRGLTPRKNIDIGDAMVFC LNNABAAREIVDCITBSLSILKTPLPKLIARLYLVSDVLYNSSA KVANASYRKFPFETKLCQIPSDLNATYRTIQGHQSENFKQRVM TCFRAWEDWAIYEPFPLIKLQNIPLGLVNIIEKRTEDVPPDLD GAPIKEKLOGAPLEDVDGIPIDATPIDDLOGVPIKSLDDDLGCV PLDATEDSKNEPIFKVAPSEWZAVDESELEQAQVTTSEWLEFD QRESEKKEBNQZERSSEKEDTQSSKREHELYSNPIKREMTB SKFSKYSSESEKRAKLRIIEKLVKMPQDELESOKRPRKPGQSP QEQVHYRDKLQREKKELERETERDKKDKKLESSEDKKKEK DECTPTKRRKRRSTSPSPSRSSGGRVKSPPSKSESRSRSP SHKSSRSRSSHXS3PROVS KKAARS PSGSRTPKRSSESRSRSP KESGKESRSQSRSPHRSKKS KGTINTGRKPFKAATVYWKDLF LCPEERSVF</p>
5934	1	3190	<p>GTRKLEKMADETPGGSQKASSKTRSSDVHSSGSSDAHMDASGSPSD SDMPSRTTRPKSPREHNYRNESARESLCDSPEQNLSRPLENKLK APSIGKMTAKRTLSKKQEKLEKKEDEKAAARIYEEFLAAPEG SDGNKVKTPVRGGVVNAAKEHEHTEDEKRGKITYKPSRFPADQKNP FNQSSNERPPSLLVIBTKKPPLEKKEKKEKSNLELFEKELRQI QERDERHRTKGRLSRFPQSDSDGQRREMDAPSRNRNSSGVL DDYAPGSHVDGDPSTT\NPYLGN\NPMNLKCCQEPGRFGP LASVKIMWPTDEERARERNCGFVAFMNRDAERALKNLNGEMI MSFEMKLGWGAVP\IPHP\IYIPPSMERTLPPPSGLPFNAQP RERLKNPNAFMLPPPKNKEDPRTLSQAIVKVVIPTERNLLALI HRLIEFVVRGPMFRAMIMNREINNPMFRFLFENQTPAHVYYRW KLYSILQGDSPTKWRTEDPRMFNGSFWRPPLNPLYLHGMSEBQ ETEAFVEEPSKKGALKEBQDKLEELRGLTPRKNIDIGDAMVFC LNNABAAREIVDCITBSLSILKTPLPKLIARLYLVSDVLYNSSA KVANASYRKFPFETKLCQIPSDLNATYRTIQGHQSENFKQRVM TCFRAWEDWAIYEPFPLIKLQNIPLGLVNIIEKRTEDVPPDLD GAPIKEKLOGAPLEDVDGIPIDATPIDDLOGVPIKSLDDDLGCV</p>

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			PLDATEDSKKNEPIPKVAPSKWEAVDESELEAQAUTTSKWELEFD QHRESEKKEZKQKQKESSEDEDTQSSRSKREHLYSNPIKEEMTE SKPKYSKMSSEKRAKLREIELAVMKPQDELESGKRPKKPGQSP QEQVHYRDKLLQRBKREKLEKEREERDRKDKKLESRSKDKKEK DECTPTKRRKRKHSSTSPSPSRSSSGRRVKSPSPKSRSESRSEK SHKSSRSSESHKDSPRDVSCKAKRSPSGSRTPKRSRRSRSPSP KXSGKLSRSQSRSPHRSHKSKSEKNTTGRKTFKRAVTTWKCDLP LCPERSVP
5935	3	4493	SYNLGNRLSEPPROPWAGNEGIGRFGTMAPVHGDDCEIGASAL SDGCSFVSSRRARREKRSKKEGQEAERLEKAKAGERKYKTEVEDP TGVYREVDREQYKLVQARQDDDDIVDDGIGYVEDGREIFDD LEDDALDADEKKGKGEKARNKEREVKKLAVTKPNKIKSMPTACA CKKTADKAVDLSDGLLGDILQDLNTETPQITPPFVNLKCKRS IGASPNPFSVHTATAVPSGKLASPVSRKEPPLTPVPLKRAFAG DDVQVESTEREQSGAMEPEDGDFDEPMVEVDLEPMAAKAND KESEPAHEVKQZALSCGKTFSYLGSLFDVSCNDIDQEGSSFS VQEVQDSSHLPLVKGADBEQVFRFYWLDAYEDQYNQPGVVFLF GKWIESAETHVSCCVHVKNERLYFLPREMKIDINTGKTGT FISMKVYREPDKIKATKYKIMKFKSPVEKNTAFELPDVPEKS HYLEVYSAEMPQLQDLKGETFSHVFGTNTSSLEFLMERKIK GPCHEVKSSTALNQPVSWCKVEAMALKPDLVNVIKDVSPPLV VNAFSMTKQAKNQNBIIDAAALVHSPALDKAAPKPPQSH PCVVSFKPKDCIFFYAPKEVIEKENVKEVAATERTLLGPFARV HEIDPDIIVGHNIVGFLEVLQRIHVCKAPHWSKIGRIKRSNM PKLGGRSFGERNATCGRMICDVEISAKELIRCKSYHLSLVQO ILKTERVVIPMENIQNMYSESSQLLYLLEHTWKDA\KPIQLIMC ELNVLPLALQITNLAGNIMSRITLAGGERSERNRFLLLHAFYBNY IVPDQIFRKPQKLGDEDEIDGDTNKYKGRKKGAYAGGLVL DPKVGFDKPIILLDFNSLYPSIIQEFNICFTTVQRVASRAQKV TEDGBOEQIPPLPDPSENGILPREIRKLVERRKQVKQLMKQD INPDLILQYDIQKALKLTANSMYGCLGFSYSRPFYAKPLAALVT YKGRILMHTKEMVQKQNLVITYGDTDSIMINTNSTNLEKVPKL GNKVSEVNKLKLEIDIDGVPSLILLKKRYAALVVEPTSD GNVYTRQELKGLDIVREDWCDLAKDTGNFVIGQILSDQSRDTIV ENIQERLIBIGENVLNGSVVPSQFEINKALTKDPQDYPDKSLP HVVVALWINSQGGREVRAGDTVSYVICQDGSNLASQRAYAPQ LQKQENLITDTQYTLAQQIEHVARICEPIDGIDAVLIATGWEL DPTQFKVHYHKKENDALLGGPAQLTDEKRYDCERFKCPCP TCGTENIYONVFDGSGTDMPSLYRCSNIDCKASPLTFTVQLSN KLIMDIRRFIKKYTDGWLICEPTCRNRTRLPLQPSRTGPLICP ACWKATLQPEYSKSLYTQLCFYRYIFDABCALEKLTDDHEKDK LKKQFPFPKVLQDYRKLENTABQPLSRSGYSEVNLKLPAGCAV ES
5936	1124	139	RQEEQDARFRFACLGFERLQKPSRLRAVHRSRAWTCYLAI RMLMATCCPSPPTTACTGPMQRAFFLRLLVQKREADSSGLAFAS NSLQREKGLLLRPVAPLRTPPILLISLPQDFQVSSVIDVDLL PETERRRVRLHKGSDRPLGFTIRDMSVRVAPQG\LERVPGIFI SRLVRGGLAESTGLLAVEDILLEVNGIEVAGKTLNQVTDMMVAN SHN\LIIVTVKPAQNNVVRGASRLTGPPSAGPGPAEPDSDD SSDLVIENRQPPSSBGLSQGPPCNDLHPGCRHPGTRSSLPSLDD QEQAASSGWSRIRGDSGFSL
5937	31	1600	PTSLKSTVQLMCRLLQKRYQCVYSLAEIKVLASFTYVILVIL YGLTSSYSLWMLRSSLKQYSFALRBSKSNYSIDPVKNDFAPI LHLADQYDPLYSKRPSIFLSEVSEKLRQINLJNEWTVKLSK LVKNAQDKIELHLFNLQGLPDNVFELTEMEVLSLELIPVKLPS AVSQLVNLEKLRVYHSSLVVDHPALAFLEENLKILRLKPTMGK IPRWVPHLENLEKLYLSCCVLPEQLSTMQLEGFQDLKRLTYL KSSLSRIPOVVTDLLPSIQKLSLDNEGSKLVVNLNLEKVMNLKS LELISCDLERIPHSIFSLNNLHBLDRNNLXTVEBIIISQHLQ NLSCLELWNNIAYIPAIQIGALSLEQLSDHNNIENLPLQLFL CTKLYLHLLSNHILFTIPBIIQYL\SNLQYFAVNNNIEHLFDG

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5938	395	1865	<p>LFQCKQLQCLLLGKNSLMNLSFVHGELSNLTHREPIG\NILETL PPELEGCSLKRNCILVEENLNTLPLPVTERLQTCCLKC YKGGFFPCNQRARGEERRKKKAMSSPNIWSTGSSVYSTFPVPSQR MTVWILLLLSLYPGTPSQSDDDDYEDYASNTWLTPEVPEGDV TVLANKLEGVNKLKLPDVGKPTLITDMTVNSIGPVNAIDMB YTIDIFFAQTWYDRRLKFNSTIKVLRINSEMVGKIWIPDTFFRN SKKADARWITTPNRMRLRWNDGRVLYSLRLTIDAEQQLQHNFP MDHSCPLRFSSYGYPRETVYQWKRSSVEVGDTESNELVQFSF VGLRNTTEVVKTSGDVIWMSVYFDLSRBNGYPTIQTYIPTCTLI VVLNWSVPWINKDAVPARTSLGITTVLINTLTSTIARKSLPKVS YVTAMDLPVSVCTIPVPSALVBYG\TLHYFVSNRKPSEKDKRRK KNPAPTIDIRPRSATIQMNNATHLQERDEBYUECLDGKDCASP FCCPEDCETGAWRHRGRIHRIARNDYSYARIFPPTAPCLFELVYW VSYLYL</p>
5939	66	1404	<p>IRPGYLKRVQENSFGHRAGLRPPDFIVSINGSRLNKNDDTLKD LLEANVKEKPVIMLIYSSKTLRLRSTSVTPSNLWGGQCLLGVSIR PCSPDCANENNVHVLVRSNSPALAGLRPHSDYIIGADTVMB SEDLPSLIRTHEAKPLKYVYNTDINDCREVIITPNSAWGUEGS LQCSIGYGYLHRIPTRPFEKGKLSLPGQAGTPIITLEDGPTTE VQLSSVNPSPSLSPPTTGIEQSLTGLSISSTP\PAVSVLSTGV PTVP\LLPQVNSQLTSVPPHSSSYLHLEFGIMPTTRQGLPNLQ PSTFNLPR\PTHSWPGVGLYQEFVKPGVLPPLSSMPPRNLPQ\I APLPLPSEPLPSFPLVPSSSAASSGELLSSLPTSNAPSDPAT TTAKADAASSLTVDVTPPTAKAPTTVEDRVGDSTPVSEKPVSA VDANASESP</p>
5940	145	717	<p>RRSACREASPRQSAGTAVTTGTRAAGTCLAAHHRMRNRADGRS LEKLPVDMGLVITEVQBPSPFDIASLVVNCNAVGISYISVYDH QGIFFKNNSLRMDLILKQQQELLGLDCSKYSPRFANSNDKDDQV LNCHLAVKVLSPEDGKADIVRAAQDFCQLVAQKQKRPIDLDVDT LA\VTLVQMVVLILI</p>
5941	13	6147	<p>MCLGRMGASSPSPSPFVQPPAPGLPFCGGSLAVVVLLALPVA WQCNAPEM\LPAPRPTNLTKRFPPIGTLYNVECAPGYSGRPP SIIICLNSVWTGAKDRCKRKS CRNPPDPVNGMVHVIKGIQPGSQ IKYSCTAGYRLIGSSSATCIISGDTVINDBETPICDRIPCGLPP TITNODFISTNRENPHYGSVVTYRCNPGSGGRKVFELVGEPSIY CTSNDQVGIWSGPAPQCIIPNKCTPPNVENGILVSDNRSLSL NEVVFRCPQPGFVMKGPFRVKQALNKEPELPSCSRVCQPPPD VLHARTORDKDNFSPGQEVFYSCEPGYDLRGAASMRCTPQGDW SPAAPTCEVKS CDDFMGQLNGRVLFPVNLQLGAKVDFVCEGFP QLKSSASVYCVLAGMESLWNSVVPVCEQIFCPSPPVIPNGRHTG KPLEVFPFGKAVNYTCDPHDRGTSFDLIGESTIRCTSDPQONG VWSSPAPRCGLGHCAQPDHFLFAKLKTQTNASDPIGTSKLYE CRPEYGRPFSITCLDNLVWSSPKDVCKRKSCTPPDPVNGMVH VITDIQVGSRIYNSCTTGERLIGHSSAECILSGNAHWSKPPPI CORIPCGLPPTIANGDFISTNRENPHYGSVVTYRCNPGSGGRKV FELVGEPSIYCTSNDQVGIWSGPAPQCIIPNKCTPPNVENGIL VSDNRSLSLNEVVFRCPQPGFVMKGPFRVKQALNKEPELPS CSRVCQPPPDVLHARTORDKDNFSPGQEVFYSCEPGYDLRGA SHRCTPQGDWSPAAPTCEVKS CDDFMGQLNGRVLFPVNLQLG KVDVFCDEGFLKSSASVYCVLAGMESLWNSVVPVCEQIFCPSP PVIIPNGRHTGKPLEVFPFGKAVNYTCDPHDRGTSFDLIGESTI RCTSDPQONGVWSSPAPRCGLGHCAQPDHFLFAKLKTQTNASD FPIGTSKLYECPPEYGRPFSITCLDNLVWSSPKDVCKRKSCT PPDPVNGMVHVTDIQVGSRIYNSCTTGERLIGHSSAECILSGN TAHWSKPPICQRIPCGLPPTIANGDFISTNRENPHYGSVVTYR CNLCSRGKVFELVGEPSIYCTSNDQVGIWSGPAPQCIIPNKC TPNVENGILVSDNRSLSLNEVVFRCPQPGFVMKGPFRVKQDA LAKWEPELPSCSRVCQPPPEILHGEHTPSHODNFSPGQEVYSC BPGYDLRGAASLHCTPQGDWSPAAPCAVKS CDDFLGQLPHGRV LFPPLNLQLGAKVSVFCDEGFLKSSVSHCVLGMRS LNNSVP VCHTFCPPNPAILNGRHTGTPSGHIPYGRKISTTCDPHDRGM</p>

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			<p>TFNLIGESTIRCTSDPRGNGVWSSPAPRCELSVRAGHCKTPEQP PFASPTIPINDFEPPVGTSLNVECRPGYFCRMPFISCLNVLWS SVEDNCRKESCGPPPEPPNGVHINTDTQPGSTVNYSCNEGFR IGSPSTFCLVSGANVTWKKAPIICILSCBPPTLSNGDFYSNN RTSPHNGTVVTVQCHTGPDBEQLPFLVGERSTYCTSKDDQVGVW SSPPPRCLSTNKTAPFEVNAIRVPGNRSPFSLTILIRPCQPG FVMVGSHTVQCQTNGRWGPKLPKCSRVCQPPPEILHGEHTLSHQ DNFSPGQEVFTSCBPSYDLGAASLHCTPQGDWSPEAPRCTVKS CDDFLGQLPGRVLLPLNLQLGAKVSPVCDGFRNGRSASHCV LAGNKALWNSVPPVCEQIFCPNPPAILNGRHTGTPLGDIPTGKR VSYTCDPHPRDGMTFNLIGESTIRRTSBEHNGVWSSPAPRCHL PVGAACPPHPIQNGHYIGGHVSLYLPGMTISYTCDFYLLVGR GPIFCTDQGIWSQLDHYCKEVNCSFPLFMNGISKLEMKKVHY GVVVTLCEDGYTLBGSFWSQCADRRNDPPLAKCTSRTHDALI VGTLSGTITFILLIYLSWIIKHKRGNNAHENPKRVAIHLSHQ GGSSVHPKTLQINENSRVLP</p>
5942	4509	688	<p>YLYVRMRANPLAYGISHRAYQIDPPL(RKHREQ\LVIE\VGRL DK\AQMRPRERTGYFSSDLCRTASHYIKYNTITFTNELPDA HKTGDLFAIVSKAEKFDQIKVREGEIRELDTLLSNFCRLSTPG GVENSYGKINILLQTYINRGEMDSPSLISDSAYVAQNAARIVRA LPEIALRKEPMTHYRLNLSKADKRLGHWASPLRQPSILPFP MLTRLEKKLTVDKLDKMRKDEIGHILHVNIGLKVKQCVHQIP SVMMEAPIQPIRTVLRVTLIYADFTWQDQVHGTVGEFHWIWW EUPINDHLYHSEYFLALKKQVSKBAQLLVFTIPIFEPLPSQYY IRAVSDRWLGARAVCIINPQHLITLPERHPPTTELLDLQLPITA LGCKATREALYNFSHPNFVQTQIPHTLYHTDCNVLLGAPTGSQKT VAARLAI FRVFNKYPTSKAVYIAPLKALVRERMDWKVRIEKKL GRKVIELTGDVTPDMKSLAEADLIUTTPKMDGVSRSWQNRNTYV QQVTILIIDEIHLGEEPRGFVLEIVSRNTFSSHTKPEVRIVG LSTALANARDLADWLNTKQMGLENFRPSPVRPVPLEVHIQGFPG HYCPMAMNKPAFOAIRSHSPAKPVLI PVSSRRQTRLTALELI AFLATEEDPKQWLMNDEREMENTIATVRDSNLKLTLAGIGNHH AGLHERDRKTVEKLFVNCIVQVLIATSTLWAGVNFPAHLVIK TEYIDCKTRRYVDFPITDVLQMMGRAGRPQDDQKAVILVHD IKDFYKKFLYRPPVRESSLIGVLSDHNLAEIAGOTITSKQDALD YITWTYFFRRLDMNPSSYMLGDVSHDSVKKFLSHLIEKSLIELE LSYCBIGEDNRSIREPLTYGRLASVYLLHQVTEMFKDLKPEC STERLLSILSDAETTDLPVRHNDHMSKLAELPIESNPSF DSFHTKAHLIAHLRAHLPCPDYDTTKTVLDQALRVQAML DVAANQGWLVTNLNTNLQMVICGRWLKDSLLTLPNIENHHL HLFKWKPDMKGPARGRTSIECLPELIHACGGKHVFSMWBS ELHAARTKQAMNFLSHLPEINVGISVKGSWDDLVEGHNELSVST LTADKRDNDKWLHADQYVLQVSLQRVHFGPHKQKPESCAVT PRFPREKDBGWLILGEVDKRLIALKRVGYIRNHHVASLSFTT PSIPGRYIYTLFMSDCYLGLDQDYD/NLSQRYTSESFCTGQHQ GL</p>
5943	1	2274	<p>DEPTRHKTYLSSSMAMAAABSPVGDGELWQTNLFNVVFLRLR EGLRQNSPTREKPPASSSLPSSPPQLLTRNVVFLGGLFLND GEDSSFLVVLRLGPPSCGG\RETPALSQYQRLLCINPPLPEIYQVL LSPTQHEVALIGTKGLMWLELPRKNGRNSFEGGKSTVNCSTTP VAERFTSSTSLTLKHAANYPSIILDPHVLLTSDNVIRIYSLR RPQTPTNVILSEABERSLVNREGRAYTASLGETAFAFDGFLA AVPKTLFGQNGKDEVVAYPLYLYENGETFLTYISLLNSPGN/I WKAAGSIAHAS\AARDNYGYDACAFLCPVNPILVIATESGML YHCVVLEGEREDDHTSEKSWDSRIDLIPSLYVPECVLELAKL ASGEDDPFSDSPSCDVLHRDPKCPSRVHCTHAGVHVSGLTWI HKLKFLGSDDEKDSLQELSTBQKCFVEHILCTKPLPCQPPAP IRGFWIVFDILGFTNICITSTYECILWPLLTSTVHPASPFLCTR EDVEVAESPLRVLASTPDSFEKHRSILQSVANPAPLASEKD IAPPPBECQLLSRATQVFRQYIILKQDLAKKEIQRRVHLLCDQ KKQLEDLSYCKREKESLRERARLADKYRAKKEKORDIMTRNK</p>

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			KLLESFHSRLPVLSDSRRDMKELQLYPDQRLHGNAIKQVTMK KDYQQQIQMERVLSLPKPTIILSAYQRKCIQSILKKEGHEIREMV EQINDIENHVN
5944	167	3428	PSIATPTDRPEVLTPPPSATITTTIGISATWITLAGSHGKRNT ITTTSSRRNRKNIIPENVQILFDDPLPLSYSQPEKVNESKS SSTSESQDSNRIRSSCSDESSNSNRKSDHSPAVVTTTVSS KQPSVLVTPPKERKSVSGKASIKLSETISEGTSNELSTCTK GPSPLSSPNEGKLVASPKRGQKREBQWKEVVRSKKVSVPSTVI SRVIGRGCCNINAIREFTGAIHIDIDKQDKTGRIITIRGGTES TRQATQLINALIKDPDKRIDELIPENRLKSSANSKIGSSAPT TAANTSLMGIKMTTVALSSSTQTATALTVPALSSASTHRTIKNP VN\NVRPGFVVSFP\LAYPPQFAHALLAAQTFOQIRPPRLPMT HFGGTTPPAQSTWGPFPVRLSPARATNSPKHNVPRHNSQNS GSQVNSAGSLTSSPTTITSSASTVPGTSTNGSPSSPSVRQLP VTVVKTSNATITTVTTTASHNTAPTATATYMPITAKHYPVSSP SSPSPPAQPGVSRNSPLDGSASPNEKVASSSBQAGSPFVVT TNTRPNHSSSSSGSSAHSNQPPGQSVBQEPPLQSQVPPPP EVENVTVPPLATSSAPVAVPSTAPVTYFMPQTPMGCPQPTPMT PAIRPPPHGTTAPKNSASVQNSVAVLSVNHIERPHSVPSVO LPSTLSQSAQNSVHPANKPIAPNFSAPLPFGFPSTLFPNSPT SAHAFWGGSVVSSQSTPESHLGKSSYLPNSDPLHQSDTSAKPG FRPPLQRPAPSPSGIVMDSFYGSVTSPSTHLGNFASNISGGQM YFGAPLGGAPAAANFNRQHFSPLSLLTPCSSASNDSSAQSVSS GVRAPSAPSSVPLGSEKPSNVSDRKVPVPIGTERBARIRQTG TSAPSVIGSNLSTSVGHSIWSPEGIGGNQDKVDWCHNPGMNP IHRPMSDPGVFSQHQMERDSTGIVTSPGTFHQHVPAGYMDPPK VGOMPFVYGNAMIPFVAPIPDGAGGPINFGPHAADPSWNSLIK MVSSSTENNGPQTIVTGPWAPHNNSVHMNOLG
5945	151	197	GVTHLFLFGKRKLNGIAEDLKGQADFFFLVSEAVVATGSPRA NLTCILPLPGIIPSVLPKAMSRLITPTPATDPSDLWKGQQ QPOPEKPESTLOGAARAFTREALIGDESSAPDSQREQTETPARER KRRKRRINKAPAAABAAGASGRHGQGRSLERDKMTHRIIRAA QBGDLPELRLLEPHEAGGAGGNINARDAFWWTPLNCAARAGQ AAVSYLLGRGAAMVVCGLSGRDAALAEAGPFPEARMVRBSH GETRSPENRSPTPSLQYCENCDETFQDSNERTSTAELLSLSQGP QPHNLPLGVPISSPGFKLLLRGGWEPGMLGPRGGRANPIPTV LKRDOEGLGYSAPQPRVTHFPADTRAVAGER\TPPRVATLSW REERRRKE\KDRWERDLRTYHNLFP
5946	541	1666	ILGSYSIQPEEYS\SVVC\EVVLQDLA\YVSPK\HSYLRDLF SECSQORVNSIDFV\EL\BHLQPDVLVHAVLRVVDV/TILTEAV YSTRGQKQKVMITVEQAQDQHYALVLWPGGAAN\YPOLQRKKG YIWBFKYLFPQCNTYLENLELHTTPWSSCECLPDDDIRAITPKA KFOKSAPSFKISDLATHLEDKCSGVVLEAQISLAFPIIASQ KIALNAHSLSKIPSSLPNIVYTGCACGLSLSTDENRIYKQCF SCLPFTMKKIIYRPAALMTAIDGRHDVCIRVESKILIEKILLNISA DCLNRVIVPSSRITYGMVVDLPHSLLAESAEPCLVKIKIQLFVL DENSYPLOQDFSLDDFYDPDIVKHGANRL
5947	3	3317	RGIPDRRRRGPIGRVNMDELNRVKMGGLGHEQGFAPCLCKEER CEGPBLHPWRIICRNC\NVAKSN/TVLLSNEEDRKVGELFEDT KYTTILAKLESQDIPMYKRNVMILTNPVAKENVSINTVYISWA PPVONQALARYQMOMLPEKQPVAGSBAQYRKKQLAKQLPAHD QDPSKCHLSPREVKRMQPVKKYSEALGVGDVILPCZMDAQG PEQMNIPOGDRSTPAAVGAMEDKSAEHKRTQYSCYCKLSMKEG DPAIYAERAGYDKLWHPACFVCSCTCHELLVDMYIPWKNBELYCG RHYCDSEKPRCAGCDKLI PSNEYQAENQWHLKHPCCFDCDSI LAGRIYVMVNDKPKCKPCTVKNHVVQCGCHNAIDPEVQRTYIN NFSWHAETCEFLSCCCSKCLIGOKFMPVEGNVFCSECKKMS
5948	39	3370	YRERYPVSGSVLSALEVQNDPLSGLTEGSLLEPQFPFGPIQ GNHYQMRKGRCHRGSAARHPSSPCSVKHSPTRETTIYQAQRM VEIIEGRLHRIISIDPLEIILEDDLTQAMSECNSENKENSER PVCLRTKRHNKRVKRNALPSAEGTPASASALPBPKVRIYBY

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			<p>SPPSAPRRPPVYKFTKESARELDNEVEYDMEDYANLEIVNE ERKGDGCVPAVSQSNFELMDRPEKESHCEHQKQGEQSLIDEDA VCCIOMDGEQNSNVILPCDMCNLAHVQECYGVPIPEGQWLC/ RAHCLQSRARPACDVLCPNKGGAFFKKTDDDRNGHV\VCALN\IP E\VGFAVTVPLEPIDGVNIPPARWKLTCNLCKEGR/VGACI QCHKANCYTAFHVTCAQKAGLYMKMEPVKELTGGGTTFSVRKTA YCDVHTPPGCTRRPLNIYGDVEMKNGVCRKESVKTVERSTSKVR KKAKKAKKALAPCAVLPTVCAPYIPQRLNRIANQVAIQRRKQ FVERAHSYWLKRLSRNGAPLLRLQSSSQSQRSSQORENDEEM KAAKELKYWQRLRHDLERARILLLELLRREKLEKQVKVQVA NELRLTPLTVLLRSVLDQLQDKDPAIRFAQPVSLKEVPDYLDHI KHPMDFATMRKRLAQGYKNLHEFEEDFDLIIDNCKYNARDTV FYRAAVRLRDQGGVVLQARREVDISGLEBASGNELPERPAAAP RRPFSWEDVDRLDPAKRAHLGLEQLRELLDMLDITCAMKSSG SRSEKRAKLLKKEIALLENKLSQQHSQPLPTGPGLEGFEEDGAAL GPEACEEVLPRLETLQPRKRSRSTCGDSVEEESPGKRLDAGL TNGFGGARSQEPGGGLGRKATPRRRCASRSSISSNSPLCDSS FNAPKCGRGPALVRHHTLEDRSELISCIENGNYAKAARLAABV QSSSMNISTDAAASVLEPLKVVWAKCSGYSPYALIIDPKMPRV PGHNGVTIPAPPLDVLKIGEMQTKSDEKLFVLFPDNGKSWQ WLPKSKMVPGLIDETIDKLEKMEGRNSSIRKAVRIAPDRAMNHL SRVHGEPTSDLSDD</p>
5949	39	3370	<p>YRRRYFVSGSVLRSALEVCNDFLSGLTBSLLPEGFFSGPFDQ GNHYQMRREGRCHRGSAARHPSSPCSVHSPTRETLTYAQQM VEIELEGRLEHISIFDPLEIILEDDLTAESECSNKNERSER PVCLERTKHKNNRVKKNALPSAHGTPASASALPEPKVRIVEY SPPSAPRRPPVYKFTKESARELDNEVEYDMEDYANLEIVNE ERKGDGCVPAVSQSNFELMDRPEKESHCEHQKQGEQSLIDEDA VCCIOMDGEQNSNVILPCDMCNLAHVQECYGVPIPEGQWLC/ RAHCLQSRARPACDVLCPNKGGAFFKKTDDDRNGHV\VCALN\IP E\VGFAVTVPLEPIDGVNIPPARWKLTCNLCKEGR/VGACI QCHKANCYTAFHVTCAQKAGLYMKMEPVKELTGGGTTFSVRKTA YCDVHTPPGCTRRPLNIYGDVEMKNGVCRKESVKTVERSTSKVR KKAKKAKKALAPCAVLPTVCAPYIPQRLNRIANQVAIQRRKQ FVERAHSYWLKRLSRNGAPLLRLQSSSQSQRSSQORENDEEM KAAKELKYWQRLRHDLERARILLLELLRREKLEKQVKVQVA NELRLTPLTVLLRSVLDQLQDKDPAIRFAQPVSLKEVPDYLDHI KHPMDFATMRKRLAQGYKNLHEFEEDFDLIIDNCKYNARDTV FYRAAVRLRDQGGVVLQARREVDISGLEBASGNELPERPAAAP RRPFSWEDVDRLDPAKRAHLGLEQLRELLDMLDITCAMKSSG SRSEKRAKLLKKEIALLENKLSQQHSQPLPTGPGLEGFEEDGAAL GPEACEEVLPRLETLQPRKRSRSTCGDSVEEESPGKRLDAGL TNGFGGARSQEPGGGLGRKATPRRRCASRSSISSNSPLCDSS FNAPKCGRGPALVRHHTLEDRSELISCIENGNYAKAARLAABV QSSSMNISTDAAASVLEPLKVVWAKCSGYSPYALIIDPKMPRV PGHNGVTIPAPPLDVLKIGEMQTKSDEKLFVLFPDNGKSWQ WLPKSKMVPGLIDETIDKLEKMEGRNSSIRKAVRIAPDRAMNHL SRVHGEPTSDLSDD</p>
5950	1166	373	<p>BSRSJTMSTSQPGACPCQGAASRPAILYALLSSSLKAVPRPSR CLCRQHRPVQLCAFHRTCREALDVLAKTVAFLRNLPFWQLPEQ DQRELLQGCGPLPLGLAQDAVTFEVAAPVPSILKILLERP SSSGSGQLPDRPOPSLAAVQMLQCCLSEFWSLELSPKE\YACL RGPIIPNDVPGQAASHIGHLQQAENVLCEVLEPWCFAAQGR LTVLLTASTLKSIPSTLLGLDFRPPIIGDVIDAGLLGDMLLR WNVFSLVQLPQFSDKEEHEQNDSSIGRTGTGTGVEMLATRK VEQDSKFTVKLSHEDDHILEDAGSSDISSDAECTNPKTEESLV GLPSCVDVEFCNLEKLDITMGIADETENTLERNKIKPIGYCDEA ESNRQLESTEFKSNLEVVDTSTFGPESNILEWAIIDVDPQNSK QINAIESTKIESHETANLQDDNSQSSSVSYLESKSVKSKHTKP VIHSEQNMTTDAPKEIVAAKYEVHSKTKVNVESVKRNTDVPES QONFHRPVKVRKQIDKEPIIQSCNSGVKSVKQASHVLAKTLQ</p>
5951	143	5449	<p>WNVFSLVQLPQFSDKEEHEQNDSSIGRTGTGTGVEMLATRK VEQDSKFTVKLSHEDDHILEDAGSSDISSDAECTNPKTEESLV GLPSCVDVEFCNLEKLDITMGIADETENTLERNKIKPIGYCDEA ESNRQLESTEFKSNLEVVDTSTFGPESNILEWAIIDVDPQNSK QINAIESTKIESHETANLQDDNSQSSSVSYLESKSVKSKHTKP VIHSEQNMTTDAPKEIVAAKYEVHSKTKVNVESVKRNTDVPES QONFHRPVKVRKQIDKEPIIQSCNSGVKSVKQASHVLAKTLQ</p>

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			<p>DQTLVQIFPKPLTHSLSDKSHAPGCLKEPHHPAQIGHVSHSSQR QCHKPOQQAAMKNTNSHVKELEHPGVSEHFEEDKLKLPKPERN LQPRQRSSKSPSLDEPPLPIPDNIATIRRESDHSSSPESKYM WTPSKQCGFCKPHGNEFMVGCGRCDWPHGDCVGLSLSAQOM QREDKEYVCVRCCAREDKRTILDFDTLENQATVEPESGDKIME CEKLGSLSKHTINDRTKYIUDTVKHVKILKRRESGEORNSDCRD NEIKWQLAPLAKMGQVLPRESSEKSEKIPKESTTVCTGEX ASKPGTHEKQEMKKIV\KRGVLHVHPAASAKPSADQIRQSVR BSLKDILMKRLTDSNLKVPREKAARVATKIEKELPSFFRDTDAK YENKYSLMFNLKDPKNNILPKKVLKGEVTPDHLIRMSPEELAS KELAAWRRENRTIEMIEKEQREVERRPITKITHKGEIYESD APMKQRAAMEIQHPAANKSLKPEGSEK\RIKEVDSMSRDTTS QHRQHLFDLNCIKICIGRMAPPVDDLSFKKVKVVGVARHSDNE ABSIADALSSTSNILASEFFEEKQSPKST?SPAPPEMPGTIV EVESTFLARLNPINWGPINMPVAKFVTKAY?VSGSPYLTEDL PDSIQVGGRI SPQTVWDYVEKIKASGTREICVVRFTPTVEDQI SYTLFAYFSSRRKRYGVAANNEQVQDMYLIPLGATDKIPHPLV PPDGPGLEHLHRPALLGLIIRQKLRQHSACASTSHIARTPSA PPIALPPDKSKTIBVSTHEAPREENDFFNSFTVLHKQRNKPOQ NLQEDLPTAVEPLMEVTKQEPPEKPLRPLPGVLIGWENQPTTLBL ANKPLPVDDILQSLIGTGGVYDQ\AQSVMEQNTVKHIPPFLNEQ TNSKIEKTDNVEVTDGEEKELKVKVDNLSESTDKSARIETSVUG SSSISAGSLTSLSLRGKPPDVSTRAFLTNLSIQSEKETVESKE RTLKRQLQEDQENMLQDNQTSNNSPCRSNVGKGNIDGNVSCEN LVASTARSPQPINLKRDPQOAGRSQPVTTSESKDGDSCRNGEK HMLPGLSHNKEHLTEQINVEEKLCSAEKNSCVQGSNKLKVAQNS PSVENIQTSQAEQAKPLQEDILNQNTIETVHPFRGSAVATSHFE VGNTPCEFPKSKITFTSRSTSPRTSTNFSMPRPOQENLQHLKS SPPGFPFPFPFPFPQSMFPFPPLPPLPFPFGFPA\QNP VWPPPVV\HLP\GOPQRMGPLSQASRYIGPQNFYQVKDERRPE RRHSDPWGRDQQLDRPPNRRGGRQRFYSDSHHLKRERHEKE WEQSERHRRDRSDQKDRKSRRESGHKKERARLSEGRDGTD GKASRDSRNVDKPKDKSEDEYKDKERERSKRRRGEKDRDYH KDRDHTDRTKSR</p>
195	3226	639	<p>PPARRARDLERRALSMAARPSGSWNGALCRLL\LVTL\AFLIF ASDACKNVTLHVPKSLDAEKLGVHVNLEKCFITANLHSSDPDF QILEGCVYTTNTILSSERSFTILLNTENQEKKKIPVPLEH QTKVLKQHTKEKVLRAKRRWAP\PCSMLENSLGPFPLQOV QSDIAQNTYIYYSIRGPGVDQBPRLFYVERDTGNLYCTRPVDR EQYESFRI LAPATPDGYTPELPLPLI\KIEDENDNYPIPTRET YFTIFENCVRGVTIVGQVCATDKDEPDTHMLTKYSIIQGVPPS PTLPSMHPTTGVITTTSQLDRELIDKYQLKRVQMDGQYFGL QTTSTCIINIDVDHLPPTRTSYVTSVEENTVDVILLRVTV DKDLVNTANWRANTTILKKNENGNFKIVTDKINEGVLCVVKPL NYKEKQOMILOIGVNEAPPFSREASPRSAMSTATVTNVEDQDE GPECNPIQTVRMKENAEVGTTSNGYKAYDPETRSSSGIRYKEL TDPTGVTIIDENTGSIKVPESLDREAETIKNGIYNITVLASDQG QRTCTCTLCIILQDVNDNSPPIPKRTVIICKPTMSSABIVADP DEPIHGPPFDPSLESSSTSEVQRMWRLKAINDTAARLSYQNDPPF GSYVVPITVDRDLQMSVTSLDVTLCDCTENDCTHRVDFRIGG GGVCLGKWAIIALLGIALFFCILFTLVCGASGTSKQPKVIPDD LAQONLIVSNTRAPGDDKYSANGFTTQTVGASAGGVCTVGS IKNGGQETIEMVRGGHQTSESCRGAGHHHTLDSCRGGHTEVDNC RYTSEWHSFTQPRLGESIRGETLIRN</p>
195	330	811	<p>PLLCNPDPCGYNNVVKQBSBISKESQEMDARPKLDLQFKBQQTIK LCIGNITNKKKGASKPRTARGGLSLLPFPFGKVTIPPPSS/V KLPSITHVTTPPSIPKSNHGSADAILDLDSAPVITTPPTVPS VSNILWGDFTASSSVFNQAPQPSNNVQF</p>
595	22	2130	<p>PPPPPPKLANMADLEAVLADVSYLMAMEKSKATPAARASKRIVL PPPSIRSVMQYLARNEITFDXIFNQKICGFLFKDFCLNEINE AVQVKEFYERIKBYKLDNEEDRLCRSPQIYDAYINKEILLSCSH</p>

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			PFSKQAVRHVQSHLSKKQVISTLFPQYIETICSLRGDIFQKPM ESDKFTRFCWKNVBLNIHLTMHFSVHRIIGRGGFGEVYGCRR ADTGMYAMKCLAKKRIKMQGETLALNERIMLSLVSTGDCFFI VCMTYAFPTFDKLCFILDANGDGLHYHLSQBGVFSKEMRPYA TEIILGLEMMNRFPVVRDLKPAWILLDEHGHARIS\DLGLACO FSKAKPHASVGTGYNAPVLIQKGTAYDSSADWPSLGCMLFKLL RGHSPPFQHKTKDKHEIDRMILTIVNVELPDTFPELKSLEGLL QRDVSRELGCHEGGSQEVKERSFFKGVDWQHVLIQKYPPLIPP RGEVNAADAFDIGSFDEEDTRGIELLDQQLYKMPPLVISERW QQVETTVYEAVNADTKIARKRAENKQLGHEEDVALGDCIM BGYMLKLGNPPLTQWQRRYFYLFPNRLKWRGEGESRQNLITMBQ ILSVETQIKDKCILFRIKSGEQFVLQCESDPEFVQWKEKLA TFKEAQLRLRAPKPLNKPFSGTVELPKPSLCHRNENGL
5955	1726	444	KRRERPRLAVCPRLPSAYESSPGTELRBCGLCRSGQRFACRR PANEQDVLSGWNLNPLVQLTKDPLATPGRLDHGTRTAFTEHREQ VNRKCNIMRDVGLPGVLEIANSEEEVFWVKTAGMALALCR WASSLEGSLEPPLSLRSEDLLAEFAQVITNWSCTLEVPAMHPT NKPFAVALLDSDVRVYNASTIVPSLEKRLQNVASLANKPLSAS VLAVACQSCILEWLDPTSLSTRPSSGCAVLSPGPTFVTSLA WAPSGGRLLSASPVDAAIRVMDVSTETCVPLPFRGGGVITLLW SPDGSKILATTPSAVFRVWEAQMTCEWPTLSGRQQTGCWSPD GSRLLPTVLGRPLIYSLSPFERCGEGKG\ALEVQSQORLWQICL RQQYREOMVRRGLGERLTPWSGTPVGVNVLCL
5956	1705	139	GVGVRCARAMATVQEKAAALNLSALHSPAHRPPGFSVAQKPPGA TYVNSSIINTLQTVQEVKRRHRLKRENDQVOSKAVDVIPEL IONKYPGDVDIIPRAKVVRVCOALMDYKVEAVPTKVPGRDKKPT FEDSSCSLYRPTTIPNQDSQLGKKNLYSPARYADALFKSSDIR SASLEDLWENLSLEKPAKSPHVNISATLSQVINEVWQETIGRL LQLVDLPLILDSLLKQBAVFKIPQPKRQSTMVNSNYLDRGILK AYSDSQDEMLSAADCSBYLPQMVVVISRSFPEQFQRTDLVK ELLFDALGRYSSREPLNLHLSDVHNGIAELVNGKTEALBAT QLLLKLLDPQNRREPRLLYPMAVAANPSEPLQKESDNRNVVK RIPSKAIVONENLSXGKTDLLVFL\MDHQKDVFKIPGTL\HKI VE\VK\LMATQNGRDPNRDAGYIYQRTIDORDYSNTEKTTKDE LLALLLETLDEDSKLSAKKKK\LLQGFYKCHFDIFIHFGD
5957	1479	451	ELQVAVAMDTLDEVVXPKTERAKRFLKREPRKLNENTKAMLIK GGNANATVTVKLDVYALKPKYGVLYKKNTIRPFEDQTSLEFP SKRSDCSLPMFGSHWKRPNMLVIGMITYHVLNMLELGIENFV SLKDIKNSKCPGCTQMLIFAGDDFVTEYERLKSLLIDFPRG PTVSNIRLAGLEYVLHFTALEGKTYFRSYKLLKESGCRTPRIE LEEMGPSLQDLVLRTHASDDLYKLSMEMPKALKPKKKKNISHD TFGTTYGRIHQKQDLSKIQTRIM\KGLKGRPAHRTEDHBKKS KRIKKKLMBSQPLLPCHVLLKRI\KHQSIOQSL
5958	1	3138	AAALGMLLNFPAQAFNLDVEKLTVYSGPKGSTFGYAVDPHIPD ARTASVLVGA PKANTSQPDIVEGGAVYICPWFAGCSAQCRQIPP DTTNNRKIRVNGTKETIRPKSHQWFG\ATVKA\HKGKSCGPVAP LLPTWRNFKLPTPERGPGVGTCTVAIQNPSAXAEPSPCGNSNADP EGQGYCQAGPSLDIFYKNGDLIVCGPGSPYWQGVITASVADILA NYSFRDILRLAGREQTEVAPASYDDSYLGYSVAGEPTGDSQO ELVAGIPRGAQNFYVSINSTDMTFIQNFGEQMASTFGYTVV VSDVNSDGLDDVLVGAFLFMEREFSNPREVGQIYLYLQVSSLL FRDPQILTGTETFGRFGSAMHLGLNDGYNDAIGVPPAGKD QRGKVLINYGNKDGNTKFPKPCQGVNASHAVPSGGFGLRGD SDIDKNDYDPLIVGAPGTGKVAVYRARPVTVDAQLLLHPIIN LENKTCQVPDSMTSAACTSLRVCASVTGQSIANTIVLMAEVQLD SLKQKGAIKRTFLDNHQAHRVPLVIRKQKSGQCDPIVYLKD ETEFRDKLSPINISLNYLDSSTFKEGLEVKPIILNYIRENTVSR QAH\LVDCGENDLCVPLKLSARPDKHQVITG\ENHLMJINAR NEGSGAYEAKLPVMIPEBADVGIERNKGPPLSCBYKMNVT RMVVCOLGNPHVSGTNYSLGLFAVPRLEXTNMSINFDLQIRSS NKNPDSNPFVSLQINITAVAQVEIRGVSHPPQIVLPJHNNEPER

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			<p>BPHKREEVGGLVHTYELNIGPSTISDTILEVGVFPFSARDEFL LYIFHIQTLGLQCPNPINPQDIKPAASPDTPELSAFLRNS TIPLHVRKRDVHVVEPHRQSPAKILNCTNIECLQISCAVGRLEG GSAVLKVRSLNARTPLQRNDPVALASLVSEVEKMPYTDQP AKLPEGSIAIKTSVINATPHVSPSIPLVVITLAILLGLLVAIL TLALWKCQFFDRAFPQEDMTDRSOLINDKTPEA</p>
5959	1	1166	<p>QTSQYARQQPLSLKREPHLOTLNKVPASQMLNHRQVVGSTEC NTLPVVDVQTSQITKIPILKDRPFGVTOQCGIHAIEKMPST LLATGGDNFNSLATYRLPTLDFVCVGDGCHDWLPSIAWISDTN AVSGSRDGSMLWEVTDVLTESDARHNVSEVPVYAHITKALK DIPKEDTHPDNCKVRALAFNNKELGAVSLDGYFHLWKAENTL SKLLSTKLPHYCEHVCLAYGSEWVYAVGSAHVSLDPRQPSY NVKSVCSRRRSGSIRSVSYEHIIITVGTGQGSLLFYDTRQRF REELSAQYSGKPLAGEHKLITG/KGMLNHEDETWRNYSIDIDF FFNAVYTHCYDSSTGLFVAGGGLPSGLHGNIAGLMS</p>
5960	2853	870	<p>FVMSDGGPRPREGPAVGAGAAHLSDPWAMTPTANRATNPINR LDWASINGPCQNLNDPBGPLATRLARKIQSPQSEWAIQALT VLETCMKSCGKPEHDEVCPRFLNELIKVVSPLYGSESTSEVK NKILRELLYSWTVGLPEEVKIAEATQMLKRCQ\IVESDPLPDOT TFPLPPRPDPNVIPEDEKSKMLARLLKSSHPEDLRAANKLYE KVQEDQKEMBEKISRRVNAIEBVNNVILLTEMVMSHSGGAAG SSRDL\MKEL\YQRCERMRPTLPTTGRVDTEOD\BALAEILQA NDNLTVQINLYKQLVRGEVNGDATAGSIPGSTSALLLGLGLD PPAGTTPAMPTRPGEQASPEQPSASVSLDDEKLSLGLSDPTP PSGSLDGTGWSQSSDATEPPAPALAQAPSMESRPPAQTSLP ASSGLDLDLLGKYLQSLPPBSQQVRWEKQPTPRLTLRLDQ NKSSSCSPSSSATSLLETVPPEPFPFPQVPTLSLASITVP LESIKPSNILEPVTVIDQHGPRILPHFARDPLGSDVLLVVVSM LSTAPQPIRNIVFQSAVPKVMKVLQPPSGTELPAFNPVHPSA ITQVILLANPQKRVRLRYKLTPTMGDQTYNMGDVQPPPPET WGSLL</p>
5961	198	3147	<p>SGEPRPEPGNMATCIGRIEDPKVGNLLGKGSFAGVYRAESITF GLEVAIKMIDKKAMYKAGMVQRVQNVKICQLKHPSTILELYNY FEDSNVYVLVLENCNGEMRYLKQKVPFSEWEARHFMHQIIT GMLYLHSHGILRDLTLENLLITRMNLIKADFGLATQLEMPHE KHYTLGTFNYISPIATSAHGLSDVWSLGCMPYTLIGRPP FOTDVTNVLNKEVVLADYEMPTPLSIRAKDLIHQLLRNPADRL SLSSVLDEPFMSRNSSTKSDLGTVEDSIDSGHATISTAITASS STSISGSLFDKRLLLIGQPLPNKMTVFPKNSSTDPSSSGDGS FYTQWGNQETSNSGRGRIQDABERPHSRYLRRAYSSDRSOTEN SQSQAKTYTMRCHSAEMLSVSKRSGGKNEERYSPITNNANIF NFFKEKTSSSGSPERPDNNQALSNHLCGRKTPFPFADPTPQTE TVQWFGNLQINAHLRKTTYDSISPNDPQCHPDLOKQTSRMA WIDTEVKRNSDASDNARSVKQNTMYTALRSKPBI IQQECVF GSDPLSEQSKTRGMSPPGYQNTLESITSPLVAHRLKPIRQKT KRAVVSILDSBEVCEVLEETASQETVKEVLQISSDNTITITY PNGG\RGFPLA\DEPPSP\DNISR\YSP\DNLPKYWRKYQYA SRFVQLVRSKSPKITYPTRYAKCILMENSFGADFEVNFYDGVII HCTEDFIQVIRKTKSYTLKSRSEVNSLKEIKRMYMDHANBGR ICLALESILSEERKTRGAPFPPIIIGRKPSTSSPKALSPPPS VGSNYPTDRASFNRMVMSAASPTQAPILNPSNVINEGLGLTT TASGTDISSNSLEDCLPKSAQLLKSVPKQVGNATQ/LTSGAVN VQFNDGSQLVQAGVSSISYTSPNGQ\TTR\YGENEKLPTYIKQ KLQCLSSILLMFSNPTPNFH</p>
5962	20	2447	<p>RVCSSASTASQAVMDANERIRRLAADFORAQPARATQRLSER NCIRIVNKLIAQKQLEVHTLDGKRYITPAQISKENRDELHVRG GRVNIVDLQVINVLDIHENRIGDIIKSRKHVQLVLCQLIDEN YLDRLABEVNDKQESGQVITSELKRYDLPNFLTQALTORIG RIISGHIDLNRGVIFTEAPVARHKKARIRGLFSAITRPTAVNSL ISRYGQBRQILYSVLEELVNSGRIRGTVVGGRODKAVFPVDIYS RTQSTWDSFFRONGYLEFDALSRLGI PDAVSYIKKRYKTOLL</p>

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			FLKAACVGGGLVDQVHASVERAISSGTWVDIAFLPFLSLSVEDA AILLQVNRAPSKOASTVVFSDTVVVSEKP\INDCTELPRELMH QKAEKEMNNPVHLITERDLKQISTLESVSTSEKDEKDERREKA TEGSGSMRGGGGNAREYKIKVKKKGRDDDDSDDESQSSTGK KKPEISFMPQDBIEDPLRKHIDAPKEFISRLAFLIKPLNWTY LEVVRVFMSSSTTSASGTGKRTIKDLQEEVENLYNNIRLPEKG KMFADDTOAALTRHLLSVCTDITRLIFNPLASDLMMAVDDPA AITSEIRKKILSKLSKETKVALTKLHNSLREKSIDFISCLDSA ARACDINVKRGDKKREKQILFQHRQALABQLKVTEDPALILHIT SVLLPQFSTHSLHAPGRCPQI IAPLNSKIPEDQHALLVKYQG LWVEQLVSQSKTKCGDYPLNNELDKQSDVASTTRKELQELSS SIKDLVLESRESVTRR
5963	62	1130	PNNPDFFPGRGLMG\QKGRITGPP\GQGGKGAPEMP\GLMGSN GSPQPGTTPGSEKSGKEBPGIQGMPGASGLKGPATGSPGBPGY MGLPGIQKRGDKRGNGERG IQGQEGENGROGLPGQOQG IQGHHG KNGERGERKEGPGVRGAIGSKGESGVDGLMPAGPREGPGDGPFO GPPGLDGEKPGREPSBPTRQVCTDVIRALPVLQSGRIKNCOH CLSQHSGPGIPGPPGPIGPEGPRGLPGLPGRDGVPGLVGVPCRP QVRGLKGLPGRNGERKSGQGGPYGEGGPPGPPGPEGPPGISKEG PPGDPLPGRDGDHKGPGYQGGPPGICDPSLCPSVIARRDPF REGPNY
5964	3	2147	SCRTRRLSPQLPFRAGSSRSRAESEPPRPGGMEACQVOTTK RGDPHELENIPLQYASTEVDGERYMTPEDFVQRYLGLYNDPNSN PKIVQLLAGVADQTKGLISYQEFAPRSVLCAPEMSFIVAPQL PDESNGEVTPENNVKIEFGQT I DHHILPNDWCEFIRLHFGNHR KHLNTEPTQFLQELQLEBARQAFALKDKSKSCMISGLDFSDI MVTIRSEMLTPVEENLVAAGGSIHQVSPSYFNAFNSILNEM ELVRKIVSTLAGTEKDAEVTKEEPAQSAIRYQATPLEIDILYO LADLYNASGRIITLADIERIAPLAEGALPYNLARIQRQSPGLGR PITWLQIAESAYRPLTGSVAGAVGATAVYPIDLVKTRMONGRGG SVVGLMYKNSPDCFKKVLRYEGFFGLYRGLIPQLIGVAPBKAI KLTVNDPVRDKPTRRDSVPIPAEVLAGGCAGGSQVIFTNPLEI VKIRLOVAGEITTPRVSALEVLRLDGIIFGLYKAKACFLRDIP PSAITYPPVYARCKILLADENGHVGGILLANGAMAG\VPAASLV TPADVIRETRQVAARAGQTTYSGVIDCFRKL\REBGSAPFWKQ TAAEVFRSSPPQF\VTLVITYELLQRGFTYIDFGGLKFPAGSEPTFK SRIADLPPANPDHIGGYRLATATFAGIENKFGLYLFPKPSPSVA VVQPKAAVAATQ
5965	1	1498	MVTNLYRFLPSTNNMAKLSLPPDLRLQFWLHARLQKCFLESG CGSYCAGAKASPLPGROMMGLMCCRRELLRLQSGRRVHSVAGP SQWLKPLITRLLFPAAAPCCCRPHYLPLAASGPRLSTSAISPA EVQVQAPPVVAATPSPTAVPRVAGSEGTADVQTAARQSFAELGL GSYTPVGLIQNLLEPMHVDLGLPWWGALAACTVFARCLIPPLIV TCQREARIDNHLPEIKPSSRIREARLAGDHRYKASSEMAL YQKKEGIELYKPLILPVTQAPIPISFFIALREMANLPVPSLQTG GLNWFQDLTVSDPIYILPLAVTATMMAVLELGAETGVQSSDLQW NRNVIRMMPLITLPTIMHPTAVFMYNLSNLFSLVQVSCLRIP AVRTVLKIPQRVVDLKLPPREGFLSPKKGWKAEMTROLRE REOZMENQLELAARGPLRQTFTHNPLLQPGKDNPPNIPES\SSB SSKPSKYFWHDYLG
5966	102	1925	RSKQVMARLTHRRQADTEAIQHLWAAIEIIRNQKQLANIDRITK YMSRVHGMHPKRTTRQLSLAVKDLIVETLTVCCKSGRAGTBOE GYWLPGBEIDWETENHDWYCFBCHLPGEVLIICLCFRVYHSKCL SDEFRLEDDSSSPWQCPVCRSIRKKNKNQENGTYLRAFTVSRMKE RAIDLNRKGDNDKHPMYRRLVHSAVDVPTIQEKVNEGRYRSTRE PKADAQLLENTVIFYGADSEQADIAEMLYKDTCHRL\DELQLC KNCFYLANARPDNWFYPCIPNHELDWAKMKGFPGWPAKVMQRE DNQVDVRFPGHHQRARIIPSENIDITVNIHRLHVRSMGWKA CDELELHREPLREGRFWSKNEDEGEKKAESSLSSTSNQKLV QEPRAKGRNQSVRPAKEEPETEAUVSSQEIPTMPQPIERV SVSTQTEKLSASSPMLERSTQTTNDGVQCSMCHDYTKIFNDF

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5967	102	1925	<p>KDEMKSDHRRPFRVVRALRSEMERERKQAVHKAIVANMOG EMDRCKQVVKCKECPVEEIKKLATQHKQLISOTKKQWCYNC KEEAMTHCCNNTSYCSIKCQQRHWAHRRKTCRRER</p> <p>RSEKQVMARLTERRQADTKAQHLWAAETIRNQRQIANIDRITK YMSRVHGMHPKETTQSLAVEDGLIVETLVGCGSKAGIEQS GYWLPQDRIDWETENRDNYCFECHLPGBVLICDLCPVYHSKCL SDEPRLHDSGSSPMQCPVCRSLKCKPTNKQEMGYTLRFIVSRMEK RAIDLKKEGKDNKHPMYRRLVHSAVDVPTIQKVEBGKYRSYEE FKADAQLLHNTVIFPYGADSEQADIAHMLYKDTCHRL\DELQLC KNCFTLANARPDNWFCTPCIPHRLDWAHMGFGFWPAKVMQKB DNQVDVFPFGHHWQRAHIPSNNIQDITVHRLHVRSMCNKKA CDRLRLHQRFLRGRFPWKSINEDRGRERAESSISSTENBQLKVT QEPRAKGRERQSVPEPKKEPEPEPEAVSSSQBIPMPQPIKRV SVSTQTKLSASSPRMLRSTQTTNDGVCQSMCHDKYTKIFNDP KDNESDHRPFRVVRALRSEMERERKQAVHKAIVANMOG EMDRCKQVVKCKECPVEEIKKLATQHKQLISOTKKQWCYNC KEEAMTHCCNNTSYCSIKCQQRHWAHRRKTCRRER</p>
5968	81	1288	<p>VRFPRGGAPPTVLTPGRQGVFLGPQPGSEPDIPARGQPHFP RPVGVSTSAQAQVQPFAMERRRLALGLGFLACTELSLVLYL ENMLFVSYPVYLPCEPIFNMKLYKREKLPQPVVMSQYPOPKL LEHRTQLLLTLTPWLAIVSEGTFPPELLQHTYQPLNLTIGTV PAVGH/EPLSEAEFPVROYRVHYIPTONPAVPGVPLGPHRL LSSIPIQGHSHWEETSMRRMETISQHIARAREVDYLFCLDLD MVFRNPFQGETLQDLVAAIHPSYAVPQQPPYERRRVSTAFVA DSEGDFTYGGAVFGQVAVRYEFTRGCHMAILADKANGINAAWR EESHLMRRFLSNKPSKVLSPETLMDRRKQPPSLKLRFTSLDK DISCLRS</p>
5969	126	503	<p>DVGPNTERKRCOLDVFLRSPKPSGRDRAPRQRRIANCKLC TGVREGEPPS/TTSQKVEAGRDPTYLIVLFGISITGGLYTI FKELPSSSSPSKIYGRALKCRSHPEVIGVPGESVIGYGVTRR GRQHVRFPTBYVDGLKHTCTVKFYIEGSEPGKQGTVAQVKBNP GSGEDYFRTYLFVEIESYPRRTIIIEENRSQDD</p>
5970	516	1712	<p>SQDNIGHRLQKHGKGLGGLKSLQGETDPIPIVVKYDVGMG RMEKLDYAEADATERRRVLVEKEDTELRQKYDYVDKEKALA KALEOLRANFYCELCDKQVQKQBFDNHINSYDHAHQRLKDLK QREPARNVSSRSRKRDEKQKALRLHRLABORROACAPGSGP MFKPTTAVDDESGEDDDKDESATNBTGATASCGLSEFSTDRG GPPTAVQITTTGLAQAPLASQGISPGIKNMLGTYPLQKLGVSF SFAKAPVKLESLASVFRDHABEGTSEDGTPQHESSDQGLQKV GDSGSSNLDGKKEDDPDGGSLASTLSKLRMKRREGAGATE PEYTHYIPPAHCKVKFNPFFLLFMRASEQMDGNTTHPKNAPES KKGSSPKPKSCIKAASQGAERTVSEVSBQPKETSMTEPSEPGS KAEAKKALGCDVSDQSLRSHQKVSETQMCESNSRSTSLATPA GKRSQSGPKPTGPPFVLSKDESTALQWPSLLIFTKAEPSIS YSCPLYPDFKLSRNKARTKSTKPKDICSSSKDEHQGLDPGE PNESKEVGOEKIVRSSGGRMDAPASGSACSLNKPQPGSGSGE TEDTGRSLPSKRSRSGKSHRHKKKKHKSSKHKRHKADTEK SSKASGGEKSKKKKKRKNKSSAPADSEBGPKEPFGSGSPA PFRRRRRAQDDSQRRSLPAEFGSGKDEGGGSSSQDRGGRKH KGLPPSSQRRAGTKRSSRSSHRSQPSGDESDDASSHRLHQ KSPSYSEEREDSGSEHSRSRSRSGRRHSSHRSSRSYSSSS DASSDQSCYSRQRYSDDSYSDYSDSRHSKRSRSDSDSDYAS SKHRSKHKYSSDDSYSLCSQSRSSRSRSHTRRSRSRSGESRS SSCSRSRKRSSRSTTAHSWORSSRSYRDRSRSTRSPSQSGSR KRSWGHEPERRESGRDP\RSKIYESQSPHYFRSGRGGPGKK DDGEGDDSKATGPPSQNSNIGTRGSGEGDCSPDKNSVTAKLL EKIQSRKVERKPSVSEVQATFNKAGPKLKDPPQGYGPKLPPS LGKPKVPLIGKLPATRKFNKKCRSGSLRGEBOQSETEGPP CSSDALFGHQPP\SEETGPLEDDPPPEBSKSGFVTADHPVAPLG PPAFDCTYLDPTISHNYLPDPSDGNLTLESLOSSQPGPVESL LPIAFDLRHFPSYAPSGDPSIESTDGAEDA\SLAPLESSQITP</p>

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			<p>TPPEMERKYSKIQAAQOHLIQQLLAKQVAFASAAALPATPAL QPIHIQQPATASATSIITVQHAILQHHAIAAIAIGIHPPHPQ PLAQVHHLPQPHLTPISLSHLTHSIIIPGHATPLASHPHIIIPA SAIHGCPPTFFHPVPAALYPTLLAPRPAANAATLHLHPLHPI FSGQDLQHPPSHT</p>
5971	53	2149	<p>SFLYFVGVDMDNFIQNWDRFDGVQLCSFACVESTILHINDI PESVQIEERPPKLAFMRSRGVDEKSSSHNKPKATGSTSDPGRN RSELYFTLNGSSVDQPPQSKSKNTWYIDEVAEDPAESLIRISTD PDRSSPFLQPPVNSLTTNRFPISLPFSLTKMPNTHGSIHSP SLSAQSVNKEIATAPVQSPFLAMPFGNSHGLFVGSIAEVKND PFGVIRWIGQPPGLNVLGLLELEDCAG\CTDGT/REGTRY FTCALEKALFVLESCRPDSRFASIQPVSNQIERCNSLAINWY LSEVVEENTPTQNRKSGLEIMIG\KRRGIQGHVNSCYLDSGLF CLFAPSSVLDTVLLRPKRNDEVEYYSRTQELLRTIYNPLRIY YVCATKIMELKILKEVBAASGFTSEKDPSEPTLILPHILLV HPLLKRSAGQKVQDCYVQIEMKRNKRVPTIQQLLENSPIN SNLKPAEAPSCLTIQMPRFGKDFKLFKKIPPSLELITDLEDT PQCRIQGLAMYECEBCYDDPDISAGELIQPCRTCTQVHLHP KRLHKKYFVSLPKDLPDMDRHCCTPCOMMELFAVLCIETSHY VAFVYKYGKDDSAWLFDDSMADRDGQNGFNIPQVTPCEVGEYL RMSLEHLSLDSRRIQGCARRLLCDATVVPCTQ9PTNSLYK</p>
5972	440	1761	<p>ILLGSPSPEDQCBQRQSSGGDERLVTGCTFSTAVVSPSAMTQ EPFREELAYDEMTTLERGRQDPASYAPDAKPSDIQLSKLFFCF SHETWVFSVLMGSCILLVTSQFSLYLGNVFPENDYLRCAGSCI PSAIVSFTVSRNRNVIPIFQILLVSTFAVITTCILNPGCKLV NPSAININFNLIILLLLKLLMAATVI IARSSEEDCKKKGMS DSANILDEVPFARVLEKSYVVBVITAGISAVIGI IALNVDDSV SGPHLSVTFWILVACFPASATASHVAARCPNCLVEVLIAISSL TSPILLFTAGSYLSPSIRIVEMPKDY?PAIKPSYDVLILLLLV LLLOA/GPQHGRHPVRALQGCCKAAGCLGHPRPAGAPGNGG QGBPPGVROGRLSRRGANGFVTPRRGRVAAPSLAPGMETH NP</p>
		2007	<p>NGDGKDLFGHIWANSNGI ISNFRESPHAGMAEDPDAKSPKTC GRAPPGGARAGEPTLLQRLRGTISKAVONKVEGILQDVQKPSD NDKLYLYLQLPSGPTTGDKSESTLSNEEYMYAYRWIRNHLRE HDTCLPRQSVYDAYRYKCEBLACCPSTANFGKI IREIIPDI KARRLGGRQSKYCYSGIERKTLVSWPPLPGILLKGSSEPMGP EVTAPRDELVEAACALTCDAERIILKRSFSSIVEVARFLQOH LISARSAHARVLEAMGLAEDEHAPRRSSKPKNGLENPEGGAH KKPERLAQPPKOLEARTGAGPLARGERKKSUVSSSARGANNLQV NALVARLPLLLPRAPRSIIPPIFVSPPILAPRISGALKVATLP LSSRAGAPPAAPVIINMILPTVPALPGPGPGGRAPPGGLTQPR GTENREVGIGDQCPHDEKVKRTAEVPSVSEAGQAPPAKAKQD IEDTASDAKRRKGPPLKRSKGSGBRNSPTLKSAAAMBSAQSSRL PMTWGSQSGGNSAGGAERPGPMGEARKGAVLAQC/QDGTVSK GGRGPGEBHTKEADKILPLVPSKVSVI ROSRSQKRAFLARGEV DTAPQGNKDLKEHVLQSSLSQEHKDPKATPP</p>
5974	4295	2200	<p>LGLQHTTSGRIHQAMVTSLNEDNESVTVWIRNGDTKGR\RID LESIFSLNP\DL\VPDGEIRPSP\ETPPPPASSAKVNKIVKRR TV\ASIKNDPPS\RDNRVVGSGARARPSQFPPEQSSAQNGSV\S DISPVQAAKKEFGPPSRKSNVCVEVRKLQEKREKRLLOQOELE BKRAQDVDAITNPNYIMCMIRDFRGSLDYRPLTTADPIDHRIC VCVRKRLPKKBTOMKDLVITIPSKDVVMVHEPKQKVDLTRYL ENQTFRFDYAFDDSAFNMVYRFTARPLVETIFERGMATC*PAG QTCGRKTHMGDPSCGNQDCSKCIYALAARDVPLMLKKNYRK LELQVYATFFIYSOKVFDLNRKTLRVLEDGRQVQVVGLOQ REVKCVEDVLKIDIGNSCRTSCQTSANAHSSRSHAVFQIILRR KGLHGRFSLIDLACNREGADTSSADRQTRLEGABINSLALK BCIRALGRNPEHTPPASKILQVLRDSP IGENSRCTMIATISPG MASCENTLTLRYANKVKELTVDPTAAGDVRPDMHHPFQI\DD LSTQWGVGSSPORDLALLCBQNBKESVSPQLFTTFAVSONVEM</p>

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5975	4293	2200	EEQVVEDHRAVPQESIRWLEDKALLENTEEVVDVDSYATQLE AILEQKIDILTELKDKVKSFRALQEEQASQKINPKRPRAL LGLQMTTSGRIHQAMVTSINEDNESVTVENIENGDTKGG\RID LESIFSLNP\DL\VPDGEIEPSP\BTPPPPASSAKVNIKVRNR TV\ASIKNDPPS\RDNRVGSARARPSQFPPEPSSAQNGSV\G DISPVQAAKKEFGPPSRKSNVCVEKQLEKREKREKRLQQKLR EKRAQDVDAINPNTYIMCMTRDFRGLDTRPLTADPIDEHRC VCVRERPLANKKETQMKDLDVITIPSKDVVMVHEPQKVDLTRYL ENQTFRFDYAFDDSAFNVYRFTARPLVETIFERGMATCFAYG QTGSGKTHMCGDFSGKQDCSKGIYALAADVFLMKKONYKK LELQVYATPPEIYSGKVPDLNRKTKLVLEDGKQVQVVGLE REVKCVEDVLELIDIGNSCSTSCQTSANAHSSRSRHAVPQILRR EGKLEKPSLIDLAGNERGADTSSADROTRLSGARINKSLALE ECIRALGRNKPPTFRASKLTQVLKDSFIGENSRTOIATISPG NASCENTLWLYANRVKELTVDPTAGDVDPIMHPPNQI\DD LETQWGVGSSPQRDILKLLCEQHEEVSQPLTFBEAVSQMVEM EEQVVEDHRAVPQESIRWLEDKALLENTEEVVDVDSYATQLE AILEQKIDILTELKDKVKSFRALQEEQASQKINPKRPRAL VHHLHLTRVSVVNLDIYLRQAQMGKIKLEVLG\LKRA\LEF PEVENMEVKDPMKGAHLNTGKXAIPTIDA\EAYAIKKKEKP FLPEPSSSSREDDP\IPDILLCLICKDINTDAVVPCCGNSYCD ECIRALLESDEHTCPTCHQNDVSPDALIANKFLRQAVNNFKNE TGYYTKRLRKQLSPFPPIPPRPLIQNLQPLMESPIRQDDPL MIPVTSSTHPPAPSISSLTSSQSSLPVSGNFPSSAPAPVPDIT ATVBSVSEKSDGPPRDSINKILPAAALASEHSGTSSIAITA LMEEKGVQVPLGTPLSLGQSLLEGQLIPTTGPVRINTARPGGG RPGWHSNKLGLVLPSPQPIRRGERSCYRSINERHHSERSORT QGSLPATPVFPVPPPPFLYPPPPHTLPLPGVPPPPQPSQFP GQP\PPAGYSVP\PPGPPAPANLSTPWSSGCVQTAHSNTIPTQ APPLSRREPYREQRLKEKSKSLDBFTNDFAKIMBYKKIQ KERERSFERSKSPYSGSSYSRSSYTSKSRSGSTRSRYSRSFS RHSRSYSRSPFPFRGRGKSNYRSRSRSHGYSRSRSPPYR RYHSRSRSPQAFRQSPNKRNVQGETERBYFNRYREVPPPYDM KAYYGRSVDFRDPFEKERYERWERKYREWKYKYYKGYAAGQPR PSANRENFSPEPFIPLNIRNSPFTGRREDYVGGQSHRSRNTGS NYPEKLSARDCHNQKNTKSKHESESNAPGDGKGNKHKHKKRR KGESEBGLNPELLETSSRSREPTGVRENKTDLSLPLPSRDDAT PVRDEPMDABSITPKSVSEKDKRRDKPKAGDKTKRNDGSASV SKKENIVKPAKGPQERVDG\DVRLDLLNL\QKKPKBETPKDL TILNHLPLRRMKSL\BPP\EKLTLEQQK\TPRWKTSORGKSR BGLFORCQIRKANN
5976	20	2949	VHHLHLTRVSVVNLDIYLRQAQMGKIKLEVLG\LKRA\LEF PEVENMEVKDPMKGAHLNTGKXAIPTIDA\EAYAIKKKEKP FLPEPSSSSREDDP\IPDILLCLICKDINTDAVVPCCGNSYCD ECIRALLESDEHTCPTCHQNDVSPDALIANKFLRQAVNNFKNE TGYYTKRLRKQLSPFPPIPPRPLIQNLQPLMESPIRQDDPL MIPVTSSTHPPAPSISSLTSSQSSLPVSGNFPSSAPAPVPDIT ATVBSVSEKSDGPPRDSINKILPAAALASEHSGTSSIAITA LMEEKGVQVPLGTPLSLGQSLLEGQLIPTTGPVRINTARPGGG RPGWHSNKLGLVLPSPQPIRRGERSCYRSINERHHSERSORT QGSLPATPVFPVPPPPFLYPPPPHTLPLPGVPPPPQPSQFP GQP\PPAGYSVP\PPGPPAPANLSTPWSSGCVQTAHSNTIPTQ APPLSRREPYREQRLKEKSKSLDBFTNDFAKIMBYKKIQ KERERSFERSKSPYSGSSYSRSSYTSKSRSGSTRSRYSRSFS RHSRSYSRSPFPFRGRGKSNYRSRSRSHGYSRSRSPPYR RYHSRSRSPQAFRQSPNKRNVQGETERBYFNRYREVPPPYDM KAYYGRSVDFRDPFEKERYERWERKYREWKYKYYKGYAAGQPR PSANRENFSPEPFIPLNIRNSPFTGRREDYVGGQSHRSRNTGS NYPEKLSARDCHNQKNTKSKHESESNAPGDGKGNKHKHKKRR KGESEBGLNPELLETSSRSREPTGVRENKTDLSLPLPSRDDAT PVRDEPMDABSITPKSVSEKDKRRDKPKAGDKTKRNDGSASV SKKENIVKPAKGPQERVDG\DVRLDLLNL\QKKPKBETPKDL TILNHLPLRRMKSL\BPP\EKLTLEQQK\TPRWKTSORGKSR BGLFORCQIRKANN
5977	1363	1335	PLEDRGQVLSHFQCLSLHSINHLHPGAGVAAGPATCW/REYLT PVLKESKPKETGVIPTPEFVAAGDHLVHCPTWQWATGEELVK AYLPTGKQPLVTKNVPYCRCKQMBYSDBLEAIIEEDDGGGWV DTYHNTGITGITRAVEKITLENKINIRLQDCSALCEBEDEDEC EADMBEYKESGLLETDATLDTRKIVEACKAKTDAGGEDAILQ TRTYDLYITYDKYIOTPRLLPGYDEQROPLTVEHMYEDISQDH VKKTVTIENHPLPFPFMCVHPCHRAEVMKKIIBTVABOGGEL GVHMYLLIFLKPVQAVIPTIEYDYTRHFTM
5978	160	3213	RDGARRNGGQSPITWAGFYREFFOLATSGRRIRGQTAEAPAGRO RPRREPEAMDEQSVESIASVFRCPICMEKLRDARLCPHCSKLCC FSCIRRWLTEQRAQCPHCRAPLQRLRLVNCRAEBVTQQLDTLQ LCSLTKEENERDKCENHHEKLSVFCWTCKKCIHQCALWGGMH GGHTFKPLARIYEQHVTKVNEVAKLRRLMELISLVQEVRRNV EAVRNKDERVREIRNAVENMLARLDTQLNKLITLMGQKTSLT QTELLSLLQBEHQLRSCSKSELISKSSRIIMFPQVHRKPM ASPVTTVPVPPDFTSELVPSYSATFVLENFSTLRQADPVYSPP LQVSGLCWRLKVYPDGNVVRGYLSVPLSLSAGLPETSKYEYR VEMVHQSNDPTKNIIRFASDFEVGECWGYNRPFLDLLANEG YLAPQNDTVILRPQVRSPTFPQKSRDQHWYITQLBAQTSYIQQ INMLKERLTIELSRTOESRDLSPDNHLSQNDDALETRAKKSA

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			<p>CSDMLLER\GPYSAS\VRHAKEDREDEKIQEDYHRLSDGDL DLDLVYEDEVNQLDSSSSASSTATSNTEENDIDEETMSGENDV EYHMELEBEGELMBDAAAAGPAGSSHGYYGSSSRRLSRTHLCSA ATSSLLDIDPLITLHLLDLKDRSSIENTLWGLQPRPPASLLQPTA SYSRKDDQQRKQAMREVPSDLMLKRLKTMARVRCMTDVKM TLSEIKSSSAASGDMQTSLSADQAALACGTENSGLQDLGMR LLAKSSVANCYITRENTKCKNSPEPARSSVAQSLSLRAVDPGR NSRSKGDQCTLSESGSGSSQSGSRHSSPRALHSGIGDILPKE DRQCKALDSDAVVAVFSGLEPAVEKRRRMVTLGANARGGHLEGL QMTDLENNBETGELQPVLPAGASAAPREGMSDSDIECDTENER QREHTSVGQFHDSPFVMTQPPDRETHSSFPDGEQIGPBDLSFNT DRNSGR</p>
5979	212	3665	<p>LPDMWYLLWLKLLAFGFAFLDTEVPVVGQSPTPSPTDAYINASE TTTLSPSGSAVISTTTIATTPSKPTCDERYANITVDLYNKETK LFTAKLVNENVEQGNNTCTNNEVHNLTECKNASVSISHNSCTA PDKTLILLVPPGVKVPVHCCS\QVEQPDSTINLWKNLETSTC DTQNTIYRPOCGNMIFDKKIKLENLEPEHBYKCDSEILYNSRK FTNASKIIKTDPGSGPGEQIIFCRSEAAHQGVITWNPQPSFEN FTLCYIKETKEDCLNLDKMLIKYDLQNLKPTTKYVLSLHAYIIA KVQREGSAANCHFTTSAPPSQVWNTVSWTSUNSMHVKCRPPR DRNGPHERYHLEVEAGNTLVNESHKNCDFRVEDLQYSTDTYFK AYFRHGDPGEPPILHSTSYNSKALLAFLEFLIIVTSIALLVV LYKLYDLHKERSCNLDROQLVERDDERQIMNVEPIHADITLET YKREIADGRLFLARQSIPIRVFSKFFIKERAKPPNQKNRYVD ILEYDYNRVELSEINGDAGSNYINASYIDGFAKPRKYIAAQGPR DETVDPPNRMINEQKATVIMVTRCEGNRNKCAEYWPMSREGT RAFGECCCKDLTKHRCPI\DYIIQKLVNKKKATGREVTHIQ FTSWPDHGVPRDPHLLKLRNRVNAFSNFFSGPIVHCSAGVGR TGTYIGIDAMLEGLBAENKVDVYGVVVKLRQRCIMVQVRAQYI LIHQALVEYNQFGETEVLNLSLHPLYLNMKRDPPSEPSPLEAR FQRLPSYRSMRTQHIGNQE\ENKSKNRNSNVTIPVDYNRVPLKHE LEMSKESHDSDSDSDSDSDSEPSKYINASFINSYNKP\BVM AAQSPKJSTIGDFWQMIPOKRVKIVMLTELKRGDQEIQAQYWG EGRQPTGDLVDLKDIDKSSYTLRVFELRHSKREDSRTVYQYQ YTNWSVBQLPABPKELISMIQVVEQKLPOKSSSEGNKHHESTPL LIBCRDGSQQTGIFCALLMLLSASBREVVDIFQVVKALRKARP GMVSTFEQYQFLYDVIASITYPAQNGQVKRNMHQDKLEFDNEVD KVKQDANCUNPLGAPKLPRAKEQARGSEPTSGTEGPEHSVNGP ASPALWQS</p>
5980	3	2363	<p>DANGCKLRLRFTYGTQTRVSLALPGQYELVHTLVAHQGNWBTI PEBDLEVEQNNHDAADLTLELVTHHALLQEVDDVVAPCGGLR PTVDVLGDLVNDPLVITYALHKKELSERDEQKLOEIRKYFSPF VFFKVPKLGSEIIDSSTRMESERSPLYRQLIDLGLYSSSHWN CGAPGQDTKAQSMLEQSEKLRHLSTPSHQVLQTLVDAKALN LVHCHCLDIFINQAFDMQDLOITPKRLEYTRAKENELYRSIMH IANRKQBBMKOMIVETLNTMKELLDATNMBPKOVIVPENGEP VGTREIKCCIRQIQELIISRLWQAVANKLIGSDVYLRESFVQTL ERCLQSLKESQDVSVHITSNYLKQILNAAHYVEVTPHSGSSVTR MLWEQIEQIIQRTWVSPPAITLWKRKVAQEATESLSASKLAK SICSQFTRINSSHEAFASLRQLEAGHSGRLEKTEDLNLEVRK DEAPRLARLSLESRSIQDVLHRRKPKLGQELGRGQYGVVYLCDN WGGHFFCALKSVVPPDBKHNDLALRPHYMRSLPHERLVDLG SVIDYNGGSSIAVLLIMERLHRDLVTGLKAGLTLETRIQIAL DVVEGIRPLHSQGLVHRDIKLFVLLDKQNRKIKTDLQFCCKPEA MMSGSTVGTPIHMAPELPTGYDHSVDTAPGLLFWYICSGSVK LPRAPERCASRDHLWNNVRRGARPERLEVDFECNQLNEACWDG DPLARPLLGIVQPMQLGGIMNRLCKS\NSEQPNRGLDST GERHSAAMERFWGADGSRWFBGLGLILLQLLPPSTLSQDR DAPPPPAAPLPRWSGPIGVSHGLRAAAA\GGAFPRGGRWRRSAP G\REDECGRVDFVAKLANNTQHVFDDLRGVSLSHVGDSGTG ILVLTTPHVPVIMTFGQSKLYRSEDYGRNFKDITDLINNTFIR</p>
5981	1	2519	

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			TEFGMAIGPENSGKVLTARVSGGSRGRIFRSSDPAKNFVQTD LPFHPLTQMYSQNSDYLLALSTENGLNVSKNFGKWEIHK VCLAKNGSDNTIIPPTTYANGSCRADLGAELNRTSDLGKSFATI GVKIYSPGLGGRPLFASVNAKDITRRIHVSTOQGDWMAQLP SVGOBQFYSILAANDMVMHVDKPGDTGCTIPTSDDRGIVYS KSLORHLITTTGCTDTFTNVTSLRGVYITSVLSEHNSIQIMTF DQGRWTHLRKPNSECDATAKNEKCSLHHSYSISQKINVP MAPLSEPMAGVIVAHGSGVDAISVMVVDVYISDDGGYSWTEML EGPHYTYITLDSGGIIVALEHSRPIVVIKFTSTDEGQCNTYFT RDPITYTGLASEPGARSNNLSIWGFTSPLTSQWVSYITDFKDI LERNCKEEDYTIWLAHSTDPEDYEDGCTLAGYKEQFLRLKSSVC QNGRDYVVTROPSCI CLCSLEDPLCDFGYTRPNDSEKVEPELK GHDLFCLYGRREHLITNGYRKIPGDKCQGGVNPVREVLDLKK CTSNFLSPKQNSKNSVPIILAIVGLMLVTVVAGVLIVKRYVC QGRFLVHLYSVLQQA\AEA\NGVDGVDALDTASHINKSGYHDDS DEDLE
5982	56	2316	ATRPGRSSWCQPSRTASAPGRSNMLRYFVRKALVGLSKSPK GCVRTTATAAGNLIEVFVDGQSVHVEPGTIVLOACEKVGQIPR PCYHERLSVAGNCRMCCLVEIEAPKVAACAMPVMKGNILTNS EKSCKAREGVMEPLLANHPLDCPICDQGGCDLQDQSMMPGND SRPLEGRRAVEDRNIGPLVKTINTRCICQCTACIRPASELAGVD LGTTCRGNMQVGTYTEMPSELSGNIIDICPVGALTSPKYP TARPMETRTESIDVMDAVGENTIVSTRTGEVMRILFPMHEDIN KEWIGDKTRPAYDGLERQRLTBMVRNEKGLTYTTSWEDALSRV AGMLQSPOGKDVAALAGGLVDAALVALKDLNVRVSDTLCTBB VFPPTAGAGTDLRSNYLLNTTLAGVBEADVLLVGTNPRFAPLP NARTRKSWLNDLKVGLISFVDLTYYTHLIGDSPKILQDIASG SHPPSQVLKRAKPMVVLGSSALQNDGAAILAAVSSIAQKIRM TSGVTGDWKMNTLHRIASQVAALDLGYKPGVEAIRKNPKVLP LLGADGGCTITRODLPKDCTIYQGHGVDGAPADVILPGAAYT EKSATYVTEGRAQOTKVAVTPGLAREDNKIIRALSEIAGMTL PYDTL\DOVRNRLEVSPLVRYDDIBG\ANYPQQAHELKLVN QQLLADPLVPQLTMDQFTMTDSISRASQTMACKVCATVEGAQA VEEPSIC
5983	248	1763	EARGDGGRRRHASGRRAGRGP\AGLKSQQRAVPKRAVARGG RQ\YSAALALEPAGSEIADLSTLYSNRACTLKBCGCSGCTIQ DCNRALZLHPFSMKPLRRAMAYETLBOYGHAYVDYKTLQIDC CLQLANDSVNRLSRILNELDGPNNWEKLSLIPAVPASVPLQANH PAKEMISKQAGDSSEHQQOITOKETPALKREBQNCVNDKNYK DALSKYSECLKINNKECAITTNRALCYLKLQCFERAKDCDOAL QLADGNVKAFYRRALAHKGLKNYKSLIDLANKVILLDPSIIRAK MELEEVTRLNLKDKTAPPNKEKERRKIRIQVNEGKREKGRPA GEVSTGCLASREKGGKSSRPEDPEKLP\IAKPNAYEFGQIINAL STRDKBACAHLLAITAPKDLPMFLSNKLECDTFLLLIQSLKNN LIERDPSLVYQHLLYLSKAERFOMLTLSKQKELIEQLFEDL SDTFNNHFTLEDIQALKROYEL
5984	755	1193	SSVCMACTYVSNLKKQRSSVSLASGLMRVSTGPRLRLHSPVL TGDVGRRIICLLVGLFTNGDTSSKRVHPFSPGPCFLLCDLARVG SSPKINVSPPYON\QTSTORSCTVFMVQRCSLVCPQVTVFTMY FHSLRSISRFSG
5985	22	1408	ERVARPGETAEPAKARTVRGRARRDLAERKAGVSRGDSGR RRNPSPISAAGMSHIQIPGLTELLQGYTVEVLRQPPDLVB FAVEYFTRLREARAPASVLPAAATPRQSLGHPPEPGPTRVADAK QDSESEEDRDLEVPVSPFNRRVSVCAETYNDEEEDTTPRVI HPKTDQRCLQBACKDILLFNLDQEQLSQVLOAMFERIVKAD EHVIDQDDGDNFYVIERGTYDILVTDKNQTRSVGYDNRGSPG ELALMYNTPRAATIVATSEGSNLGLDRVTFPRRIIVNNAKRRM FESPIESVPLLSLEVSRMKIVDVIGKTYKR/DGRIITQGE K\ADSFYIISGBVSILIRSRKSNKDGQGVETARCHKQYF GELALVTNKPRASAYAVGDVVKLVMDVOAPERLLGPCMDIMKR NISHYEBQLVKMGSSVDLGNLQ

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5986	1806	484	DANKSTSLTPHMKLNGRHRGRRRLAHPKNHLSPOQGGATTQVP SPCCRFDSFRGPPPPRLGLLGALEADGVRGSPVPSPGPMED GLRWTPKSLPDPSGLLSCTLPNGFGGQSGFEGERSLAPPDASI LISNVCSIGDHVAQELFGQSDLGMAEAEAPGEE\AQHSPLRE EHVTCVQSILDEFLQT\YGLSLPLSTDEVVEKLEDIPQEFSTP SRKGLVLQLIQSTQRMFGNAMVRGFRVAYKRVLTMDLGLTYG CNWLDQVMNMGDLVMDTVPEK\VFHFNSTFY\DKLRTKGYDC VERNTRNVDI\FKRLLLIPIHLEVHSLISVDVRRRTITYFDSQ KTLNRRCPKHIKYLQAEAVKDELDZHQGWKGYPKMNVARQNN DSDCGAFVLQYCKHLALSQFPSTTQDMPKLRQIYKELCHCKL TV
5987	1806	484	DANKSTSLTPHMKLNGRHRGRRRLAHPKNHLSPOQGGATTQVP SPCCRFDSFRGPPPPRLGLLGALEADGVRGSPVPSPGPMED GLRWTPKSLPDPSGLLSCTLPNGFGGQSGFEGERSLAPPDASI LISNVCSIGDHVAQELFGQSDLGMAEAEAPGEE\AQHSPLRE EHVTCVQSILDEFLQT\YGLSLPLSTDEVVEKLEDIPQEFSTP SRKGLVLQLIQSTQRMFGNAMVRGFRVAYKRVLTMDLGLTYG CNWLDQVMNMGDLVMDTVPEK\VFHFNSTFY\DKLRTKGYDC VERNTRNVDI\FKRLLLIPIHLEVHSLISVDVRRRTITYFDSQ KTLNRRCPKHIKYLQAEAVKDELDZHQGWKGYPKMNVARQNN DSDCGAFVLQYCKHLALSQFPSTTQDMPKLRQIYKELCHCKL TV
5988	1292	410	FKYFLSFLGLLESSHSRDIHNLVLMFLATEHMLVWFTCRPQ RLDCITLNAQIMFNQINIKALLFGLPS\ABGLLTQCDKITADO LQEVFTDVGHPILIRKLEPLCHSDNPQLIWTSSRNARKEN FSLDPOHSGKKEPYSSSKYATDLSVALARNFNQQLYSNVAC PGTALNLTGILPPPITWLLMPAILLLRPFANAFITPTNGTE ALVMLPHQKPSLNPILIKVLSMTGFRNVINTQMDLDEDTAE KFYQKLELEKHIRVTIQTNDQARLSGSC
5989	194	2610	AMDFPQSHVLEQLNQQRQLGLLDCDTFVVDGVHFKAHKAVLA ACSEYFOMLFVDQKDVHLDISNAAGLGQVLEMYTAKLSLSP NVDVLA\AVATPLOWQDIITACHALKSLARPATSPGNARALAT EGGKRAKREKATSTLSRLAQGRSTPIGPSRLKKEGCGQAQ SAASGABQTEADAPREDPPVELKDDPTSGMAAEAEALSSES EQEMEVEPARKGREGQKQEEQEEGAGPAEVEKEGSOLENGEA PEENKNEESAGTDSQGLSBRAGRLSGTYGDRTESKAYGSVTH KCEDCGKEPTHGMPKHIRIHTGKPFSCRECSKAFSDPAACK ABERTESPLAPYGCCEGKSYRLISLNLRRKRHSGEARYRCBD CGKLFITTSGLNRHQLVHSGKEPYQCDYCGRSFSDPTSRMRLE THDTRKHKCPHCDKFPNQGWLKAHLKTHIADGPIKRECGKQ PTTSGNLKRHLRIHSGEKPYVCILHQDQFADPGALQREHRIHTG EKPCQVMCGRAPTOASSLIAHVRIHTGKPYVCERCGRRFVQS SQLANHIRHNDIRPHKCSVCSKAFVNVGDLKHI I IHTGKPY LCDKGRGPNRVNLRSLIVKTVEGKAGIKLEPEEGSEKSVVT VDDMVLATEALATAVTQLTVPVGAATADBEVLKAEISKA VKQVQKEDPNTHLYACDSGGKFLDANSLAQHVRIHTAQALVM FQTDADFYQYGGGTWPAGQVLQAGELVPRPRDGAEGQPALAE TSPTAPECPPAB
5990	2	4700	FGPGPDSGGARGSGWGSRSQAPYGTGAVSGGQVLLHBERAGD SGFVLSRLGPSLRDKDLEMEELMLQDETLLGTMSYMDASLIS LIEDFGSLGEVNSLPDPSWDFSPPSFLETSSPKLPSWRPPRSR PRWQSPFPQQRSDGEEKEVASFSQILAGELDNVSSIIPDPF MHLACPEEDKATAENAVPAAGDESISLSSELVRANHPYCLPN LTHLASLEDELQBPDDLTLPFGCVVLEIVGQAATAGDDLEIPV VVRQVSPGPRFVLNDSLETSSALQILMPTLESETRAAVPKVTL CSREKGLSLNERRKLDACILKPREVVEBPVVPKEPQNPANAP GSQBARGRKKKSKBQPAACVEGYARRLRSSSGQSTVGTETVS QVDNLQKQPEELQKESGLQGRKPRAWARAWAAALESSSPN LERSAGQSSPAKEGFLDLYPKLADTIQTNPIPTHLSLVDSAQAS FMPVDSVEADPTAVGPVLACGPVVDGGLVDLASTSSELVPLPA EPVLINPVLDASAAVDPAVVPISDNLPVVDVAVSPGAPVDLALV

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			DPVPNDLTPVDVFLVKSRTDPRRGAVSSALGGSAPQLLVESES LDPPXTIIEVKVVDLSLKIESGTSATTHEARPRPLSLSEYRRR EQQRQARTERKRSQPPPTGKWPSPRTPTGLADIPCLVIPPAPAR KTAQRSPTPTLEICLVVGPSPASPSPEPFVSKPVASSPTBQV PSQEMPLLARDSPFVQSVFVPTFPMSAALDFPAGGLGMPFS LPFPPLQPPSLFLSMGVFLDPFTHYAPLPSWPCYFHVSPSGYP CLFPPTVPLVSGTGAAYVPTCSVPWAPPPAPVSVYSSTCTY GPLGNGPGQHAPFWSVPPFPLPPASIGRAVPQPMNESRGTPA GPPENVPLFLSMAPPLSLGLFGHGAPQTEPTVEVKPVFASPHPK EKVSALVQSPQKALACVSAEGVTVEEPASERLKPETQETPRR KPPLPATKAVPTPRQSTVPLPAVHPARLRLKSLPTPTQGSSE DVVQAFISIRIGIBASDLSSLEQFEKSEAKKECPPAPADSLAV GNSGGVDLPQERPLDRLOAPELANVAGLTPPATPPHQLWPLA AVSLLARAKSPKSTAQEGTLKPSOVTEAKHPAAVRLQBGVHGFS RVHVGSCDHDYC\VRSTPPKK\MPALLIPEVGSSEHNVHRQDI TIKPVLISLGAAPPFPCIAASREPLDERTSSQADPSAPCLAFS SLLSPBASPCNDMNTTTPPEPSAKQSRMRYKACRSASPSQ GWQGRHGRNSRSVSSGSRNRTSASSSSSSSSSSSSSSSSSSS HRRWRSSSCSSSGSRRCSSSSSSSSSSSSSSSSSSSSSSSSRS PSPRRSDRRRYSSYSHDHYQRQVLOKRAIKERRVVFIGK IPGENTRSELKQRFVFGKEECTIHFVQGDHYGFVTVYARE AFAAISGHLRQADBPFDLCFGRQRCRSYSLSLDSHREDP DPAFVASKPDSLDFTLLKQAKNLR
5991	334	1379	RLSSHFSCSFSIYC\TKPDQGNVTSFRRKTELQVQLGLQAR DLRFQHVMSITVRNRRIIMMEYLKAVITPFCILLIDYRNLNR QNLFRSLPSQLSGEGQLVTYPLPEFRAIRALLQYWTYLOGLK SILQPLILRLDLDALGDFHSSVDRSKLILLQNGKSLSELETDI KIFKESILRLDREELLELCVSKWSDPQVPEKSSAGIDHREM ELLLENYYRLADLSNAARELRVLIDDSQSIIFINLDSHENVMM RLNLQDTMGTFFSLSLFGLMGVAFGMLESLEEDHRIFWLITGY MFMGSGLIWRRLLSFLGR/LARSSIASYGMKDMVHGIVEGL
5992	2	509	AGPDFRLVCGVSGSGFPGGRQQAETWRPLRPWNGAMEKLRRVL SQGDDEBOGLTAQDSQINL/SEVLDASSLSFNTLKNFAICFVC GVFFSILGTGLLNLPGGILPAVPTTLGNLAALASTCFMGPVK QLEKMFATRLLATVMLLCYIFTLCAALWHRGLAVLPCILQ FLSMTNYSLSYIPIYARDVIRCCSSLLS
5993	1650	594	ABOLQSNVAVAGLGNAGCHMEAGGATGALGVGCKLPSAFCYFGS SVAMDMFQVKEIGEGTYGVVYKAKNRRTGQLVALKRIKRLDEM EGVPTAIREISLLKELKHNIVRLLDVHNERKLYLVFEFLSQ DLKXYMDSTPGSELPLHLIKSYLFQLLQGVSPCHSHRVTHRDLK PQNLLINELGAIKLADPGLARAFGVPLRTYTHEVVTLWYRAPERI LLATRPYTTAVDINSIGCI\PAENVTRKALFPGDS\BIDQ\LPRI FRNLGTFSRDTWPGVTQLFDYKGSPPKNTRRGLEIIVPHLEPBG RDLIMQLLQYDPSQRITAKTALAHYFSSPEFSPAARQYVLRFR RH
5994	394	1934	AGEVQLHVWIRGMRIQPO/KAAAYIDLDPDFEQSRPRSCWPL PRPEIANQPSKPEVEPDIGERVHTEGRSEPTILLPSRLPEPAGG PQPGILCAVGTGPRKGGSRREAWGNQSYAKLISQAIESAPEKRLT LAQIYEMWVTVPYFKDKGDSNSSAGWKNIRHNLSLHSEPIRV HNEATGKSNWMLNPGGKSGEAPRREAASMDSSSKLLRGRSKA PKKKPSGLPAPPEGATPTSVPGHFAKWSGSPCSRNRKEADMWTT FRFRSSSNASSVSTRLSPLRPESEVLARZIPASVSSYAGGVPT LNEGLELLDGLNLTSSSHLSRSGLSGFLQHPGVTGPHLYGS SLFSPAEGPLSAGEGCFSSSQALRALLTSDTPPPADVLMTQVD PILSQAPTLILLGLPSSSKLATGVLCPKPLRAPGPSLSLVPTL SMIAAPPVMAAPIPKALGTPLVTPTRAASQDRMPQDLDDMY MENLECDMDNIISDLMEGEGLDNPEPDP
5995	2	2437	RPPGPGPASGAMLC\TRAGSAFVFPFLPRPPSRGARRRRRLPGR GVAALRRGPGSAPGLPRGRAERSAAGSGRGPSREERGAASAAAA AEMMEKLHSL\DP\RRQKLLRARF\TGLGVSKGPLNSRSSNQSL CSVGSLSDKEVETPEKKQNDQRNRKREAPYETSQKGTPEGRHK

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			<p>ISDYFERRVEQPLVGLDGSAAKEATEBQSALPTLMSVMLAKPRL DTEQLAQRGAGLCPTFVSAQONSPTSSTGSGNTEHSCSSQKQISI QHRQT/QSDLTIEKISALENSSENSDLEKKEGRIDDLRANCDLR EQI\DEQOKMLEKYK\RLNRCPDNEPRNPLIEKSKQKMACRD KSMQORLRLGHFTTVRHGASFTQWTDGYAFONLIKQGERINSQ REBIERQKMLAKRPPAMQAPPATNEQQRKSKTSGAENETL TLAEYHEQERIFKLRLGHLEKKEABIQARLERLERVNLHIREL KRTHNEDNSQPKDPTLNDRYLLHLARGGGPSEVYKAPDLTBO RYVAVKIHQLNKNWRDRKKENYHKAHCRSYRIHKLDEPRIVKL YDYPGLDTPDPTVLETCBGNLDLYLQKHLMSKKEARSIMQ IVNALKYLFELKPIIHYDLKPGVLLVNGTACGEIKITDFGLS KIMDDSYNSVDGMBLTSQAGCTYNYLPEPCFVVCBEPKXISNK VDVMSVGVIPYQCLYGRKPFHNSQDQDILQENTILEKATEVQPP PKPVVTPKAKAFIRCLAYRKEKDRIDVQQLACDPYLLPHIRKSV STSSPAGAAIASTSGASTNSSSN</p>
5996	1612	981	<p>DQQAQLGLMLTLRFGILEPDPFSWIGSWTOR/SWVSWSRSPGCE LFSIVVFGSIVNEGYLMSASBGEFPCIYNNRPNACSYGVAVGV AFLTCLLYALDVYFPQISSVKDRKK\AVLSGHPVVSSEPHPA FWAFLNFTGDSCTY\ANQWQVSKPKDNPLNEGTDASGPRSPFS PFSIFTNLSLTAALAVRRPKDLSFQREYSTLPP\ASAQP</p>
5997	1612	981	<p>DQQAQLGLMLTLRFGILEPDPFSWIGSWTOR/SWVSWSRSPGCE LFSIVVFGSIVNEGYLMSASBGEFPCIYNNRPNACSYGVAVGV AFLTCLLYALDVYFPQISSVKDRKK\AVLSGHPVVSSEPHPA FWAFLNFTGDSCTY\ANQWQVSKPKDNPLNEGTDASGPRSPFS PFSIFTNLSLTAALAVRRPKDLSFQREYSTLPP\ASAQP</p>
5998	1612	981	<p>DQQAQLGLMLTLRFGILEPDPFSWIGSWTOR/SWVSWSRSPGCE LFSIVVFGSIVNEGYLMSASBGEFPCIYNNRPNACSYGVAVGV AFLTCLLYALDVYFPQISSVKDRKK\AVLSGHPVVSSEPHPA FWAFLNFTGDSCTY\ANQWQVSKPKDNPLNEGTDASGPRSPFS PFSIFTNLSLTAALAVRRPKDLSFQREYSTLPP\ASAQP</p>
5999	2	1790	<p>RFPMEKAREGGDGVPRGPVLIHVVGFFHKKGCQVEFSYPLIP GDGDSHTLPREKMYLPPLALPDGAHNYQEDTVFPLPPRNGNG ATVFGISYCR\QLEAKALKVROADITRETVQKSVCLSKLPLYG LLQAKLQLI\THAYFEKDFPSQISILKRLYKHMSSSLGGASLEGS QVYLGLSPRDLVLHFRHKLILFLILLEKKVLPYI\SPVNLKLVG ALNTVLSLPCWIBHGLSDCSQYRPRKMSSEDDGLQBSNPCADD FVSASTADVSHNLGTIRKVMAGNHGDDAAMKTEPLFPQVEDSS EGQEPNDINQYLKPPSRPSFDSSESDDNETLDPVLEDFNLKERE QLOSDQTNLFPKDSVPSESLPITVQPOANTGVVLI\PGLLISGLE EDQYGMPLAIF\KGYLCLPYMALQOHLLSDVTVRGFPVAGATNI LFRQQHLSDAIVEVEALIQIHDPRLKLLNPTADLRFADYL VRHVTENHDDVFLDGTGWEGGDENIRAQFVYIHALLAATLQLV LFRIVNVAKKIGNVHVT\SRNVVQTGK\AVGQSVGGAFS\SAK TA\NSSNLSLFTTSTSQSLTEPPDREP</p>
6000	101	1561	<p>TEPCRTAENCTATMSHNNKNSLESSLRQLKCHPTWNLMEGENSL DDFEDKVYRTEPQNRBEKATMCNLLAYLRHLRGQNEAALECLR KAEELIQQSHADQASIRSLVTWGNVYAWVYEMGRISDVQIYVDK VHVCEKFPSPYRI3SPFLDCBEGWTRLKOGGNQNERAKVCFEK ALEKKPNPEPTSGLA\ASTYRLDNWPPSQNAIDPLRQAIRLNPD NQYLEVLLALQI\HMRRECBEGEGEKK\LVKALEKAPG\VTQV LRSA\KPYRGKDEPDKAIKLLKQALYIP\NNAYLHCQIGCCY RAKVFQVMNLRENCHYKRELLSLIGHAVAHLEKKADEANLFR VCSILASLHALADQYEDASYYPQKEFSKELTPVAKQLLHLRYGN POLYQNKCEDKAIHFFLEGVKTNQESREKERMKDLQKIAKMR SNGADSEALHVLAFLOELNKKMQQADEDSERGLESGSLIPAS SRNGE</p>
6001	176	1038	<p>AFAPSPSRGHRETHIHTPRHTPRCTMAESHLQSSLITASQFPEI NLHFDADGSGYLEGKELQNLQELQARKKAGLELSPENKTFVD QYQQRDDGKIGIVKLAHVLPTEENPLLLFRQQLKSCE\EFMKT WRKYDTHSGPIETERLKNFLKDLLEKANKTVDDTKLAEYTDLM</p>

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6002	977	81	LKLFDSNNDGKLELTETMARLLPVQENFLKFGGIMCGKEFNKA PELYDQDNGYIDENELDALLKDLCEENKQDLINNITTYKKNIT HALSDGGKLYRTDLALILCAGDN LAPFGGGLHIPPRTPLSHSRFPFSSHAFHPSPLPLPPADLHPHS SWAQRSDLLBLDQQLTRDRVVVSHDRNLCRQSGLRDVGSLDF EDLFLYKKELEVYFSPGHFAHSGDRRVRLEDLQRFPPRTPHSV EIKGKNEELIRBQ/VLVRRYDRHBITTASRKSVMKRCRAANP EMPLSPTISRGFWVLLSYLLGLLFPPIPIPKKFFCFLPNTINBT YPPFSCSLNQLLAVVSKWLMIRKSLIRHLREERGQVVPWCLNE ESDFEAFPSVGATGVITDYPALRHLYLNEGPAARTS
6003	140	4098	GKLEAFGRMRRLICKRICDYKSPDDEESVDGNRPSSAASAPKVP APKTSGNPANSARKPGSAGGPKVGAGASKGGAGAVDEDDFIKA FTDVPSIQIYSSRELEETLNKIREILSDDKHWDQRANALKKIR SLLVAGAAQYDCFFQHLRLLDGALKLSAKDLRSQVVRACITVA HLSTVLGNKFDHGARAIVPTLPNLVPSNAKVNATSGCAAIRPII RETHVPRLIPLITSNCTSKSVPVRRRSFEFLDLLQEWQTHSLE RHA AVL VETIKKGIDADARVARKTYMGLRNHFPGEATLY NSLEPSYQKSLQTYLKSSGVSASLPQSDRSSSSQBSLNRPFSS KNSTANPSTVAGRVSAAGSSKASSLPQSLQSRSDIDVNAAGAK AHHAAQSVRSRGLGAGALNAGSYASLEDTSKLDGTASEDGRV RAKLSAPLAGMGNKADSRGRSRTKMSVSQPGSRSGSPGRVLT TTALSTVSSGVQRVLVNSASAQKRSKIPRSQGCSEASPSRLSV ARSSRI PRPSVSQGCSEASRESRSDTSFVRSPQPLASRHHRS TGALYAFBVYASGPGYGISQSSRLSSSVAMRVLTGSDVERA VADALLLDIRTKKPARRRYESYGMHSDDDANSASSACRS YSSRNGSIPTYMRQT\EDV\AEVLNRCSNWSERKEGLLGLQN LLKNQRTLSRVBLKRLCRIETRMFADPHGKRVFSMLETFLVDFI QVHKDLDQWLPVLLTQLLKNAGADLGSVQAKVQKALDVTRES FPNDLQFNILMRFTVDQTQTPSLKVKVAILKYIETLAKQMDPGD FINSETRLAVSRVITWTTEPRSSDVRKAAQSVLLSLPELNTPE FIMLLGALPKTPQDGATKLLHNLHRTGNQTSSMGSPLTRPTP RSPANWSSPLTSPNTSNTLSPSAFDYDTERMNSEDIYSSLRG VTRAIQWPSFRSQEDMNEPLKRDSEKDDGDSNCGGPG\MSDPRA GGDATSSQTA\DNKASLLHSMPTHSPPRSRDYNYYSOSIS PFNKSAKRAMFDDADQFPDDLSDHSDLVARLLKRTSNHNER VEBKIALYELMKLTQESPSVWDEHFKTILLILLLETLGDKET IRALALKVLRILRHQPARFKYARLTVMETLEAHDPEKEVVR SABEASV\LATSI\SPBQCIKVLCP\IIQTADYPIINLAAIKHOT KVIERSVKETILNLLPRLIMPGLIQGYDNSESSVRKACVPCLVAV HAVIGDELKPHLSQLTGSXMKLLNLYIKRAQTSGGADPTTDS GQS
6004	140	4099	GKLEAFGRMRRLICKRICDYKSPDDEESVDGNRPSSAASAPKVP APKTSGNPANSARKPGSAGGPKVGAGASKGGAGAVDEDDFIKA FTDVPSIQIYSSRELEETLNKIREILSDDKHWDQRANALKKIR SLLVAGAAQYDCFFQHLRLLDGALKLSAKDLRSQVVRACITVA HLSTVLGNKFDHGARAIVPTLPNLVPSNAKVNATSGCAAIRPII RETHVPRLIPLITSNCTSKSVPVRRRSFEFLDLLQEWQTHSLE RHA AVL VETIKKGIDADARVARKTYMGLRNHFPGEATLY NSLEPSYQKSLQTYLKSSGVSASLPQSDRSSSSQBSLNRPFSS KNSTANPSTVAGRVSAAGSSKASSLPQSLQSRSDIDVNAAGAK AHHAAQSVRSRGLGAGALNAGSYASLEDTSKLDGTASEDGRV RAKLSAPLAGMGNKADSRGRSRTKMSVSQPGSRSGSPGRVLT TTALSTVSSGVQRVLVNSASAQKRSKIPRSQGCSEASPSRLSV ARSSRI PRPSVSQGCSEASRESRSDTSFVRSPQPLASRHHRS TGALYAFBVYASGPGYGISQSSRLSSSVAMRVLTGSDVERA VADALLLDIRTKKPARRRYESYGMHSDDDANSASSACRS YSSRNGSIPTYMRQT\EDV\AEVLNRCSNWSERKEGLLGLQN LLKNQRTLSRVBLKRLCRIETRMFADPHGKRVFSMLETFLVDFI QVHKDLDQWLPVLLTQLLKNAGADLGSVQAKVQKALDVTRES FPNDLQFNILMRFTVDQTQTPSLKVKVAILKYIETLAKQMDPGD FINSETRLAVSRVITWTTEPRSSDVRKAAQSVLLSLPELNTPE

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			<p>FTMLIGALPKTFQDGATKLLHNLHNTFGNGTQSSMGSPLETRPTP RSPANWSSPLTSPTNTSQTLSPSAPDYDTENMSSEDIYSSLEQ VTEAIQNPSFRSQEDMREPLKRDSDGDSMOGGPG/MSDPRA GGDATDSSQTAL/DNKASLLHSMPTTHSSPRSDYNPYNYSDSIS PFNKALKEAMFDDADQFPDDLSLOHSDLVARELLKELSMHNER VEERKIALYELMKLTQESPSVWDEHPKTIILLLLETLGKEPT IRALALKVLRILRHQPARPKNYARLTVMKYLEAKDPHREVV SAREASV/LATSI/SPEQCIKVLCP/IIQTADYPIHLAALDMQT KVIERSKBTINLLLPIMPOLIQYDNRSSSVKACVPLVAV HAVIGDELKPHLSQLTGSRMKLLNLTYIKRAQTGSGGADPTTVS GQS</p>
6005	133	5955	<p>RSSGRQEQQLGQFFGRERKMSAGLGSPPSPCSAGSEEDMDALL NNSLPFPHPENEDPEKDLSETPTPKLKKKKPKRPRDPKIPKS KROKKERMLLCRQLGDSGSGEPFVEEEREVALRSDSEGSYTP GKKKKQGLGPKKESKSKRKEEEDDDDDDSKEPKSSAQLL EDWGMEDIDHVFSEEDYRTLTNYKAFSQFVRPLIAARNPKIANS KDDWVLGAKNRPSTNHPFGSSGASVAAAAAAVAVVESMTA TEVAPPPPPVFPVIRKAKTEKGGKGNARRKPKGSPRVFDAKPK PEKVAPLKI KLGFGSKRRSSSEDDLDVESDFDASINSYSV SDGSTSRSSSRKRLTTKKKKEGESEVTAVDGYETDQDYCEV CQGGGIILCDTCPRATHMVCLDFMEKAPRKNKSCFCKEKG QWEAKONSBOGELLREVGGDLKEEDDHMEKFCRVCKDGGELL CDTCPSYTHICLNPPLPPIPNGEWLCPRCTCPALRGKVKQKILI WEMGQPPSPFPVPRPDADPTTPSPKPLRORPERQFVVRQMS YMHCSWVERLQLRLHC/QVMFRNYQRKNDNDRPFGDFGGDEK S/RKRNKDKPKFAEMERFYRYGILPEW/MNIHRLAHSDVDRG HVHYLIEMRDLFYDQASWESESVBIQDYDLKQSYNHRRLMRG EBGRPGKQLKVKLRKLRRPFTPTVDPVTKYERQPEYLDATGG TLHPYQHEGELNWRFSMAQGTDTLLADEMGLKTVQTAFLYSL YKGGHSGKPLVSAPLSTIIN/WEREPEMADPMYV/VTVGDK DSRAIIRKNSFS/FEDNAIRGGKASRMKKEASVKFHVLLTSYE LITIDMAILGSDIWAACLIIVDEARHLKNNQSKFFRVINGYSLQHK LLLTGTPLQNNLELPHLLNFLTPTERPHNLEGLFEEFADIAKED QIKLEDMIG/PHMLRLKADVPKNNPSKTELIV/RVELSPH/Q KKYK/YILHSEPLKALN/ARGGQVSLNVVMDLKKCCNHPY LEFVAAMEAPKMPNMYDGSALIRASGKLLLLQMLKLEGGH KVLIFSQMTMLDLLEDFLREHGYKYRIGDGIITGMROEADR FAPGAQOQPCFLSTRAGGLINLATADTVIYDSWNPNDIQ AFSRAHRIGQNKVMITRPFVIRASVBERITQVAKKMLTLV RPLGSKTGSMKQELDDILKFTERLFPKDEATDGGGDNKEGD SSVIHYDDKALERLLDRNQDETDRLQGMNYLSFPKVAQYV REEMGESEEVERBIIROESVDPDYWKLLRHHEQOQEDLAR NLGRGRIRKQVNTDGSQEDRDWDDQSDNQSDYSVASBEGDE DFDERSEAPRRPSRGLRNDKPLPLLARVGGNIEVLGFNAR QRKAFINAKMYGMPQDAFTTQMLVRDLRGKSEKFKAYVSLF MHLCFPGADGABTFADGVPREGLSRQHVLRIGVMSLIRKKVQ EPEHVNGRWSPPLAEVEENKQMSQPGSPSPKTPPTSTPGDTQP NTPADVPVPAEDGIIKIRNSLKEESIBGEKEVSTAPETALECT QAPAPASEDEKVVVEPPEGEKVKAEVKERTBEPMBTEPKGRG AADVEEVEKSAIDLTPIVVEDEKKEEKEEKEGVMLQNGETPK DLNDEKQKNIKQRFMPNADGGFTLHSLWQNSERAATVTKET YEIMRRHDYWLLAGIINEGYARWQDIONDFRYAILNSPFGEM NRGNFLEIKKKFLARRPKLLEQALVIBEQLRRAAYLWMSDPSH PSMALNTRPAEVECLAESQHLSESNAGNKPANAVLHKVLKQL KELLSDNICADVTRLPATYARIPPAVRLQMSERNILSRANRAP EPTQQAQOQ</p>
6006	1	965	<p>DNDFLRNTVHRHBPVTAETIRLLARNEDVVVDKPSIPIVHPC GRPHNTVIPTLGGKHLKELPLERLDRLTSGVLMFAKTAAS ERIHEQVRDRQLEKRYVCRVGEFPTEBVTCKEPILVSSYKGV CRVDPRGKPCETVQRLSYNCQSSVVECRPLTGRTEQIRVHLQV LCHPILNDPIYNSVAGSPSRGRGGYTPETNEELLRLDLVAHQAK</p>

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			QSLDVLDCGDLSPGLTSTAPSSSEIGEDDLERLAAA\QEME EVAEAPQELDTIALASEKAVETDVMQ\ROQ\TLCRVPAGATG SLAPPCDVPTCTL
6007	3	2351	RELQVYVFTDKTGLTENEMQPRECSINGMKYQINGRLVPE GPTPDSSEGNLSYLSLSLHNLHLTTSSSPRTSPENETELIK EHDLPFAVBLCHTVQINNVDCTGQGPQSNLAPSQLEYAS SPDEKALVEAARIGIVFIGNSEETMEVETLGLERYKLLHLE FSDRRRMSVTVQAPSGEKLIFAKGASSILPKICIGGEIERTRI EVDKFALEGLTLCIAYRKPTSEKYEERIDR-PEARTALQOR\B EKLAAPVQPIREKDLLLGATAVEDRLQDKVRETIKALRMAGIKV NVLTDGDEHFAVSVLSLSCCHPERTMNLHLINQSDSBCAQLR QLARRITEDHVIQHLVVDGTSLSLALREHKLPMVCRNCSAV LCCRMAPLQAKVIRLILKISPEKPIITLAVGDGANDVSMIQEAHV GIGIMQKGRQAARNSDYALAEFFLSKLLFVGHFFYIRIATL VQYFFYKNCVFTIPQFLYQFCLFSQOTLYDSVYLTLV\NICPT SLFILIYSLLEQHVDFVQLNKPTLYRDLSKNELLSIRTFLYWT ILGFSAFIPFPGSYLLIGKDTSLGNGQMGFWTFGLVFTVM VITVTVMALE-HPWTWIDHLVTGSIIFVFPVSLFVGOILMPP LGSQNMVFPVLIQLSSGSANFATILMVVTCFLDIIKKVFDRL HPTSTKQALTETNAGIRCLDSMCCFPGEAAACSVGRMLERVI GRCSPTHSRSWSASDPPTNDRSILTLTMDSSTC
6008	4554	1089	AGVRRAGARRGPRALFAGATAVPPFSARRRRRCPAEHAGPAR ASRPSQETMPQLPVNHLGSLRKARKTVKLLSDIGLEYCKEHE DFKQFEPNDPYLKWTTWEDVGLMDPSLTKNQDYRTKPFCCSACP FSSKFFSAYKSHFRNVHSEDFENRILNCPYCTPMADKRTLETH IKIFHAPNASAPSSSLSTFKDKNRNDGLKPKQADSVBQAVYCK KCTYRDPYKTVRKHLVREHPCQVAAPIAKAGEKSLNGAVPIG SNARESSITHCKRCLFMPKSYEALVQHVIEDHERIGYQVTAMIG HINVVVPREKPLMLIAPKPKDKSMGLPPRIGSLASGNV\RLSP SQCMVNRLSIPKPLNSTGVNMSSVHLAQNNYGVKSVGGYSV GQSMRLGLGNAFVSIPOQSQSVKQLLPSCNGRSYGLSSEQRSG APARYSLQSANASSLSGQLKSPSLSQSQASVLCQSSSKPAAA ATGPPPGNTSSTQKWKICTICNKLFPREVVSVHFEKKEHAEKVP AVANYIMKLNPTSKCLYCHRYLPTDTLNLHMLHGLSCPYCRS TFNDVEHMAAHMRNVHIDEHMPRTDSTLSPOLTLQGSHTNTH LLVTTYNLRDAPAESVAYHAQNNPVPVPPKQPFVQEKADIPVES SPQAAVPIKDVCKTLCPLCPSILKGPISDALAHHLRRHQVIO TVHPVEKKLTLYRCIHCLGVYTSNMFASTITLHLVHCRGVGRTON GQDKINAPSRINQSPSLAPVKRTYEQMEFPLKRLDDSDSP SFFEEKPEBPVVALADPKGH\EDOSYEARKSPLTKYFT\KQDYP TRREIEKLAASLWV\WK\SDIASHPNKRKCKVRDCEKYKPGVL LGFNMKELANKVHEMDYDAGLFPENHDEKDSRVNASRTADKRLN LGKRDSSSDSPENLEKSNESGSPFDVPEVPRKISNDNPERH VLKVIPEDASESERKLDQKEDGSKYETIHLTEPTKLMHNASDS EVDQDDVVENKDGASPSESQPGSQVSDFDONTCEMKPGTWSDE SSQSEARSSKPAKKKATMQGDREQLAKWNSFYCKVEGFWSKD QSQWNASENDERLSNPQIEMQNSTLDESDGEQPDNMTDGVARP MECSLAGVLLSSQA
6009	4272	1534	CHGLQHLTFFRELNLSLQG*BPH*AA*QAVREEEKSIC*GSPSC HLVLGLVLPVARQSSHEAGPAQSAFR*TOGTSGTPKAAEQSGYW EATTLGHQHWMPPIQRPPLVMGRRIMQCKCEG*VSDSVTGG RAVAGEQASQRETVPTAGGGECLGAKSVRASVFTGNQPGVMGLL NGERGCFESGYLFGFIVIGIKIQSLEAKVPLPVNGQTERASPG NCRDHIIVDAVC*SEHH*DHFLAAFLNSTIIS*VAPGSNDHA VLQKRVQASVRCRGFESVDTAPAGFWAHSPPGLQGEPTTTSVSL FVLAPQDGBGVVVEGQLVTVLGLVVPQSIHRTFVHHTQLFLHP I*KLGAIDVAPLHLTLVCSSEFNAYG*GKNGGTLHLQFAEVN AVTRGSVAVQRPSITISSIHVDTKIQKELHDVNVAGADGVVQNG DPFVVLGAGIFHLIDDPLEHQLKLSFQRRV*EQCGGVK*DSQFVP RPLRVOLLQVGPLVRGGRRVAGRCRCVRDILLFNRWGLSHRT RDLLRGEDRGHVVVVLCRLGSLVGGGLTDRLWFGGR*LIITIG

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			<p>I**RGRLSGEWGCGLGRGELPQVSIIGVSIIVHIGQGDHEVLGG AQLVERGALHATCGQVEALVQQLLDVGPAGALGLCDGAALPQGP GRVGQLPAGGLQVCITLVAQMRMHGRELGGAKNPWQALHGAAL CGVGGAILLKALSQVFLKGG*RLWCARGQ*PVKKRQRWRG*TR R*NGLTTHCFN*LI*GAVCCRLVILRWGGLLEVHVGVT*IHCL GSFPGRLWP*PFLSQERPFGHCQWEPRLAVPSWKEHSEHVRG TWRYGEPLNL*GANLGSAAAGGQGGGFLSTWQACTGPGQAAP LPFFQGACRPRTQRCRTWVCPANRQLLAYTED</p>
6010	1	3533	<p>IMPGSSRLLEGCTHPEFVSDLSYFDCIESVMENSKVLGESH AGISQNAKTGDLPAFGCECVGIASKALCGLTRAQAAYLVGIFD PNSQAGEQGLVDPIQFARAHQAIQMACQNLVDPGSSPSQVLSAA TIVAKHTSALCNACRIASSKTANPVAKRHFPVQSAKEVANSTANL VTTIKALDGDPSERNRKCRILATAPLIEAVEHLTAFASNPFEVS IPAQISSBGSQAQEPILVSAKPMLESSSYLIRTARSLAINPKDP PTWSVLAGHSHTVSDSIKSLITSIEDKAPQORECOYSIDGINRC IRDIEQASLAAVSQSLATRDDISVEALQEQLTSVVQSBIGHLIDP IATAARGEAAQLGHRGTQLASYFPEPLILAAVGVASKILDHQQM TVLDQTRTLAESALQMLYAAKEGCGNPKAQHTDATTAAQLMK EAVDDIMVTINRAASEVGLVGGMVDAIAEAMSKLDEGTPPEPKG TFVDYQTTVVYKSKALAVTAQEMTKSVTNPELGLASQMTSD YGLHAFQGMMAATAPEEIGFQIRTEVQDLGHCIFLVQKAG\ ALQVCPTDSYTERRLIECARAVTEKVSILVLSALQAGNKGTOACI TAATAVSGIADLOTTIMFATAGTLAENSETTADHRENILKTA KALVEDTHLLVSGAASPTDKLQAQAQSSAATTOLAEVVELGAA SLGSDDPETQVVLINAKIDVAKALSDDLISATKGAASEFVDDPSM YQLKGAAKVMVTVTSLKTKVAVDEATRGTRALEATIECIKQ ELTVFQSKDVPKRTSSPESIRMTGITMATAKAVAGNSCRQE DVLTATNLSRAVSDMLTACQASFPDVSDEVTRALRFGTEC TLGYLDLLEHVLVILQKPTPELKQQLAAFSKRVACAVTELIQAA EAMKGTWVDPEDPTVIAETELLGAASIEAAAKGLBQLKPRK PKQADETLDFEQILEAAKSLAARTSALVKSASAAQRELVAQK VGSIPANAADDQWSSQGLISAARMVAARTSSLCRAANASVQGH SEELIYSAKQVAASTAQLLVACVKAQDQSEAMERLQAAGNAV KRASDNLVRAAQKAAFGKADDDVVVETKFGVGLAQIIAAQSEM LKKERELREARKLAQIRQQQYKFLPTLREDEG</p>
6011	446	1835	<p>LIQFAMRKSPGLSDCLWAWILLSTLTGRSVQPSLQDELEDNT TVPTLRLDRLDGDYDNRRLRPLGERVTEVEKDIPTVSPGVSDB DMETTYDVFFRQSWKDBRLKPKGPMTVLRINHLAMASKIWPDTF PHNKKSVAHNMNPNKLLRITEDGTLTYTMRLTVR\ABCPMAF GRDFFM\DAHACPLKFGSYATTRAEVVYEWREPARSVVVAED GSRLNQYDLGQTVDSGIVQSSSTGEYVVMTHPHLKRKIGYFVI QTYLPCIMTVILSQVSPWLNRESVPARTVFGVTVLTMTLSIS ARNSLPEVAYATANDWFLAVCYAFVFSALIEFATVNYFFTERGYA WDGESVVEPKPKVEDPLIKKQNTYAPTATSYTPMLARGDPGLA TIAKSATISPKVKPPTKPPPKRTFNSVSKIDRLSRIAPPLLP GIFNLVYRATYLNREPQLKAPTPHQ</p>
6012	351	5013	<p>PAELFQSFAIWHKKLYDWRGPGWNCQCPVYSKSLKPLECIKGE EGIQVREIACIQKDEDIPAEIICRYPEPKPLLEQAACILPCQQD CIVSEPSAWSECSKTGSGLQHRTRHVVAAPPQFGSGCPNLTEF QVQSSPCEARELYSLHVGWSTCSMPHSRQVQARRRGKNKE REKDRSGVDPPEARLKKERNRNRQNRQENKYWDIQIGYQTR EVMCINKTKGAADLSFQQEBLPMTPQS CVITKECQVSEWSEWS PCSKTCHDMVSPAGTRVTRTIRQFPISGEKECPFPBEKEPCLS QGDGVVFCATYGMRTIEWTSCRVDPILLSQDQRRGNQZALCGGG IQTREVVYCVQANELLSQLSTHONKBAKPMDLKLCGPIPNNT QLCHIPCPTCEVSPWSANGPCTYENCNDQGGKGFLLKRRIT NEPTGGSGVTGNCPHLLZAIPECEPACVYDKAVRLGDCRPDNGK ECGPGTQVQEVVVCINSDEBEVDRLCRDAIPPIPVACDAPCPKD CVLSTWSTWSSCSBFCGKCTEGKQIRARSILAYAGEBGGIRCP NSSALQVRSCHBPCVYHMQTGFQGCIEDTSVSSFNTTTTW NGEASCSVGMQTRVICVRVNVGVGPKKCPESLRPSTVRPCLL</p>

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			<p>PCKKDCIVTFYSDWTSFCS\SCREEDGSSIRKQSRHRVITQLPAN GGRDCTDPLYREKACAPQACQSYRW\KTHW\HRCQ\LVP\MS VQODSP\GAQEGCGPGRQARAITCRKQDGGQAGIHCLQYAGPV PALTQACQIPCODDCQLTSWSKPSKNGDCGAVTRKRTLKVGKS KKKKCKRNSHLYPLIETQYCPCKYNAQPVGNWSDCILPBGKVE VLIGMKVQGDKECGQGYRYQAMACYDQNGELVETSRCSHGYI EEACIIPCPSDKLSEWSNWSRCSKSGSGVKVRSKWLREKPYN GGRPCPKLDHVNQAQVYEVVPCHSDCNQYLAVTFWSICKVTFV NMREHCGEGVQTRKVRCHQNTADGPSEHVEDYLCDPBEMPLGSR VCKLPCPEDCVISEWGPWTCVLPNCQSSFRORSADP IRQPADB GRSCFNAVEKEPCNLNKNCHYHDYNVDWSTCQLSEKAVCGNGI KTRMLDCVRSQKSVDLKYCEALGLEKNWMTSCMVECPVNCQ LSDWSFWSECSQTCGLGKNIRERTVTPPGDGEPCPSLMDQS KPCPVKPCYRWQYQWSPCQVQBAQCGEGRTRMISCVVSDGSA DDFSKVVDRFCADIELIDGNKNMVLSESCQPCPGDCTYLDW SSNSLCQLTCVNGEDLGFPGGIQVRSRPVITQELNQLCPEML ETKS CYDGCYETKMASAWKSSRTVMQESDGINVTGGCLVM SQPDADRSNPPCSQPSYCSBTATCCEBQYETVMSSNLTLEQ CTLI PVVVLPTMEDKRGDVTESRAVHTQPSNPNAGRRTWFLQ PPGPDGRKLTWVYGVAAGAFVLLIPTVSMIYLACKKPKKQRRQ NNRLKPLTLAYDGDADH</p>
6013	1161	710	<p>GAFLAGVFPQVFLIRYPNSLDTTSEWNRGPGVLKVLWTASQC STVDVEPLPVXHPSPBSRDPITYANNVQVMAQALGIPATECB FVGLSPVTVVGRLLKVALEPQL/WOTGHSASGNAVRWLCGRWGR ARPSNDQPGHVCQAATL</p>
6014	2857	613	<p>EAVAGGMEKSRMNLPRGPDTLCPDKDFMKEDFDVDHVFVSDCRK RVQLEELRDDLELYKLLKAMVRLINKVYADP\VNLSLTLVGM DKALNQLSVPLGQLREZVLSESSVSEGIKRAVDERMSKQEDIRK KKNCVLRLLIQVIRSVKIEKILNSQSSKETSALBASSPLITGQI LERIATEFNQLQFHACQSK\GMPLLDKVRPRIAGITAMLQQLS GLLLEGLQTSDDVITRHLRTYATIDKTRDARALVGQVLVKPYI DEVITBQFVESHNPGLQVMYNKLLFVPHICRLLEVTGGAISS EKGHTVPGYDFLVNSVHPQIVQGLEKLPFLNPNPNDAPHRYK TISHDFVRLERQCGSQASVKRLRAHPAYHSFNKKNLPPVYFQI RPREIACSLBAALTDVLEDAFASPYCLASHRTWSLRCWSD EMFLPLVRLWRLHSCRFWARYSVFV\N\ELSLRPISNESPKK IKKPLVTGSKEPSITQNTEDQSGSPSETKVVSISRTQLVYV ADLDKLEQLPELLETIKPLENIGPKNPSISAALEDSSQSSPS ACVPSLSKKI IQDLSDCPGFLKSALEVPRLYRRTNKEVPTAS SYVDSALKPLFQLQSGHDKLRQAI IQQWLEOTLSESTHEYET VSDVLSVKRMEESLRLKQARKTTPANPUGPSGGMSDDDKIRL QLALDVEYLBQI IQKLGLOASDIKSPSALAEVAAARDQATAEQ P</p>
6015	13	2237	<p>ABGCAERRGTFFVVLISMSWESGAGPGLGSGMDLVSAWYGRK VKGKGSPLSANGIVVAHLSRAENDQVTVYLCDDHKLQRYALN RITVWRSRSGNELFLAVASTADLIRCKLDVTGGGLTDBELRLY GMALVRPVNLSERKTKFAKVPLEKLAQEVNIPDWIVDLREKLT HKMPLINDCRGCTFVLWNLQKTYNCRQLENSLRETWLEEFB EGIKEEDQEDKNLVDDITIQKPEPQDDGKSTESDVKADGDSK GSEEVDSHCCKALSHKRLYERARLLVSYKEEQFTVLRKPYLP KAIKANNPSPRVECVLAEKGVTCENRRAVLDAFLDDGFLVPT PEQLAALQIEYRENVLDLVDLVKPPFSQFNQPLLRLGLHSQNFQ ALLERMLSELPAIGISGIRPTTYILRWTVELIVANTKTGRNARRP SAGQWEARRGWRLFNCSASLDWPRMVESCLGSPCWASPOLLRIT F\KAMGGGLQDE\BQELRLICSIYTSQGENSLVQSGSEASPIG KSPYTLDSLYWSVKPASSSFGSEAKAQOQKEQGSVNDVKKEKKE EKEVLPDQVEKEKENDQKEKEDEDEDEDEDEDEDEMEVGFSTG QESPTAKNARLLAQKRGALQGSANQVSSSDVRMDTFP\LGRMPR SRPRTPAELMLENYDTHVIFWTKPVL\BQRLPSTCK\TDTLGL \SCGVGS\GNCNSSSSNPRGAPLLBARGSLH\GL\KTGLQLP</p>
6016	13	2237	<p>ABGCAERRGTFFVVLISMSWESGAGPGLGSGMDLVSAWYGRK</p>

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			<p>VKGGSLPLSAHGIIVVAMLERAEWDQVTVYLFCDDEKLRQYALN RITVWRSRSGNELPLAVASTADLIRCKLLDVTGGGLGTDELRLLY GMALVRFVNLISERRTEPAKVFPLKCLAQEVMIPDWIVDLRHELT EKKMPFINDCRRCGYFVLDWLQKTYFCRQLKSLRSTWEELEEF EGIEERDQREDKNTVVDDITBQKPEPQDDGKSTESDVKADGDSK GSEEVDSHCKEALSHCKLYERARBLVSYEEQFTVLEKFRYLFP KATKANKNPSFVVECVLAKLGGVTCENREAVLDAPLDDGLVPT FEQLAALQIYEBEVDLNDVLVFPKPSQFWQPLRLGLHSQNFQ ALLERMLSELPALOISGIRPTTILRWTVLIVANTETGNARRP SAGQWEARRGNRLPNCASLDWPEMVBSCIGSPCRASPOLLRIT P\KANGQGLQDB\BQKLLRICSIYTCQSCNSLVBCSEASPIG ESPYTLDSLYNSVPEASSSPGSEAKAQOQEQGVNDVKEEKE EKEVLPDQVEEKEEDDQEEEDDDEDDDEKDRMEVGPSTG OESPTARNARILLAQKRGALQGSAMQVSSSEVDVWDTFP\LGRMP SRPTPARMLKENYDTHVTFWTKPVL\EQRLSPSTCK\TDITGL \SCGCGS\GWCNSSSSNPRGAFLLRARGSLH\GL\ETGLQLF</p>
6017	203	3469	<p>SHQETBQNSAMAPRRKGGHGLBPTCCPENNHPRTITYRLNDS NVALQWEPALPMPFVEELDVMPSELVDRLDLDKREAMPALP AKKMQIYCSKKQDQENKQATSNPFYIDQLNSMAKESLLAL EKEEERBSKTYESLKAALRTKPMRFVTRFDLGLSCIINFLK TMDYTESERIHTSLIGCEKALMNSQGRARVLAHSRINVTQA SLSTENIKTKAVLRILGAVCLVPGGHKKVLAQMLHYQKYASER TRPQTLINDLXSTGRYDEVSLETAIMSFINAVLSQAGVBSL DFRLHLRYE\PLMLGLHPVMDKLRKHENSTLDRHLOFFENLRNE DELEFAKRPFLVHIDTKSATQMPFLTRKRLTHSEAYPKPMSILH HCLQMPYRSGNTVQYWLLORIIQQIVIONDKGQDDSTPLEN FNENNVVRLVWENVEQWKEQAKMRKEHNLQQLKEXKREK DARTQKEEBMQTLANKMKEKLEKETTEHQRVQVACLTAQLHB LSRRAVCASIPGGPSPGAPGGPPFSSVPGSLLPPPPPPPLPGM LPPPPPPPLPGGPPPPPPPPPLGAIMPPPGAPNGLAKKYSIPO PINALKSPNWSKLPEKLEGTWTEIDDTKVPKILDLEDLERTP SAYQROQDPFVWNSRQKEADAIDDTLSSELKVKELSVIDGERRA QNCNILLSRLKLSNDBIKRAILTMDEQEDLPKMLEQLLKFPVE KEDIDLLEKHHELDENAKADRFLPEMSRINHYQRLQSLYFKK KFAERVAEVKPKVEATBSGSEBVFPSGALQLEVVLAFTNTMV KQQRGWAYGPKISSINKIADTKSSIDENITLRYLITIVENKYP SVLNLEERLIDPOAAKVMHTLDEKISTLRSGLEKAVETKLEYQ KSQPPQPGDKFVSVVQFPTVASFSFSDVEDLLAKKDLPTKAV KHPGKEAGIKQDEPPGIFDQFLQAVSEAKQENEMRKKEEKE KRARMRAQLKEQREPRKMRKAKENSERSCGFDDLVSAIRSGEV PDKDLSKLKRNKRITNQMTSSRRHPITKIANP</p>
6018	21	2510	<p>TLSQSGGIRRRRRAVWFVVMNDFSRLEHMSPPQCVPEHTGYTY ALSSSYSSDALDPETEHLDDPVFDSPEMSRRSLRLATTACTILGD GEAVGADSGTSSAVSLENRAARTTQRRSTNKSAPSLNHSRQV TSSGVSYGGTVSLQDAVTRRPVLDSEWIREQTTVDHFWGLDDD GDLKGGNKAAIQEGDVGGAATGNGPFCSNOMLSERKDVLT AHPAAGPVSRVYSRDRNQKDDCKCKRELDAHPGRAGTLNHTW ACAGYPLLQILRRIGAVGQAVSRTANSALWLA VVAPGTAASGVP WNIGIGWYQFVTLISHLWVFLTRCLRNICKPLVLLIPLFLLLG LSLRGGQ\NFFSELPVLNWSMHRTORVDDPQGVFKPTTSRLKQ PLQGDSEAPFWHNSGVBOQVASLSQCHHGENLRBLTTLLOK LQARVDQMEGGAGPSASVRDAVGQPPRETDFMAFHQREVRMS HLEDILGLREKSEAIQKELEQTKORTISAVGEQLLPTVEHLQ ELDQLESELSSNRHVTKCCTVDVQERVDVQVRENVKLFSED QGGSLBQLLQRPSSQFVSKGDLQTMRLDILQILRVVTHVSV TEQLPTSEAVVSAVSEAGASQITBAQARAVNSALKLYSQDKTC MVDFALESGGGSLSTRCSETYETRIALMSLGIPLWTFPSQSPR VVIQPDITYGNONAFKGSQGYLVVRLSMIHAPAFTLEHIFETL SPTGNISSAPKDFAVGLSENYQREGLLQGYTYDQGESLQNF QALKRFDUTAPQIVELRIPSNNGHPEYTCLYRFRVGEHPVE TFNDRKPPQRPSSBRASHLAQETTSASLGDQTYQLCSLTIA</p>
6019	2	1066	<p>TFNDRKPPQRPSSBRASHLAQETTSASLGDQTYQLCSLTIA</p>

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			<p>PVITSAIRSMGIGISSQLTBAAGQVIGTLEWVNSASVAAPAPA QSLQVQAVTPQLLNAGQGVIAITLASSPLPPPVAVRK\PSTPES LLESEVQPIRPTPTVPQPAVVIASAPAAKPSASAPIPTCSET PTVSQLVSKHPTSLDSDGILNLEIREFAKFKIRRLSLGLTOT QVGOALTATGFPAYSQSAICRFEKLDITPKSAQKLEPVLERWLN EALRNQEGQONLMFVGGEPSKKRRRTSPTPQATLAKAYFE KNPLPTGQBITETAKELNLYDREVVRVWFENRRQTLKNTSKLVNF QIP</p>
6020	4953	549	<p>EAIQFEVSIIGNYGNKFDITCKPLASTTQYSRAVFDGNYTYLPLW AHTKPVVTLTSYWEDISHRLDAVNILLAMAKLQTNLEALSGI QGKIPANQLAELNKLIDEVIEDTRYTLPLTEGRANVTVLDTQI RLKRSRSLSQIHEAAVMSRATDVKSTLARIEDWLDKLMQLTE EPQNSMPDIIIMIRGERRLAYARIPAHQVLYSTSGENASGKYC GKTQTIPLKYPQERNNGPKVPVELRVNIWGLSAVEKKFNSPAB GTPVFAEMYESQALMPGKMGTSGLVGRHKPSDVTGKIKLKREF FLPPKGWENEGRWIVDPERSLLTRADAGHTFTDEVYQNSRYR GGDWKPAEDITYDANGDKAASPSELTCPPGWEWEDDANSYDINR AVDEKGWYEGITIPPDHKPKSWVAERKMYTHRRRLVRRKKD LTQTASSTAGAMEELQDQGWYASLIGWEPHMKQRSSDTFRRR RNRRKMAPSETHGAAAIPLLEGALGADTTEDGDEKSLERQKHA TTVFGANTPIVSCNPDYIYHLRCYVYQARNLLALDKDSFSDP YAHICFLERSKTRIIHSTLNPWDQTIIFDEVETIYGEPTVLQ NPPKVIDMLPNDQVQKDEFLGRSIFSPVVKINSEMDITPKLLW HPVMNGDKACGDLVTAELILRGKDGSNLPILPQAPAPLYMVP QGIRPVVQLTAIELANGLRNKNFQMASITSPSLVVECGGRV ESVVIKNLKTNPFPSSVLFMKVFLPKRELMPPLVIKVIDHRQ FGRKPVVGCCTIERLDPRCDPYAGKEDIVPOLKASLLSAPPCR DIVIEMEDTEPLASKCLSSMTALSKMASPATVHLTEKKRIV DWNSKPYASSGHEKCGQYIQKGYSKLCTYNCELENVAFEGLT DPSDTPKLYRGKSGDNEZPSVGRFKGSFRIYPLDDPSVPAPP RQPRELPDSVPQECTVRIYIVRGLKLPQDENGCDPYIKITLG KCVIE\DRDHYIPNTLNPVFGMYELSCYLPOKDKLISVYDID TPTREKVGSTIIDLENPP\LSRPG\SHCG\IPEEYCVSGVNTW RDSLR\PTQ\LLQNVARFEGFPQPILSHDSRIYTCGRDYSIDB PEANKILHQHLAGPERLALHTLRQGGVPRBVRTTLHSTFPQ NLS\RYTLRVIIWNTDVLDRKSITGREMSDIYVEGMIKGNBB NKQRTDVHYRSLDGBGNFNNRFPVFPDYLPARQLCTIVAKKEHPW SIDQTEFRIPPR\LIQI\W\DRDKPS\LDYILGFPRTLTCHRTI HFLQKSPGNC\RGIDMIPLDKAMNPLKAKTASLPEQKSMGHW PCYARKDGARVMAGKVENTLEILNBRKADERPAGKGRDEPNMNP KLDLPNRPETSPFNPTNPKTKPTVWRFPKVVIIIGLFLILL LFVAVILLYBLFNYSKIKVKNV</p>
6021	4953	549	<p>EAIQFEVSIIGNYGNKFDITCKPLASTTQYSRAVFDGNYTYLPLW AHTKPVVTLTSYWEDISHRLDAVNILLAMAKLQTNLEALSGI QGKIPANQLAELNKLIDEVIEDTRYTLPLTEGRANVTVLDTQI RLKRSRSLSQIHEAAVMSRATDVKSTLARIEDWLDKLMQLTE EPQNSMPDIIIMIRGERRLAYARIPAHQVLYSTSGENASGKYC GKTQTIPLKYPQERNNGPKVPVELRVNIWGLSAVEKKFNSPAB GTPVFAEMYESQALMPGKMGTSGLVGRHKPSDVTGKIKLKREF FLPPKGWENEGRWIVDPERSLLTRADAGHTFTDEVYQNSRYR GGDWKPAEDITYDANGDKAASPSELTCPPGWEWEDDANSYDINR AVDEKGWYEGITIPPDHKPKSWVAERKMYTHRRRLVRRKKD LTQTASSTAGAMEELQDQGWYASLIGWEPHMKQRSSDTFRRR RNRRKMAPSETHGAAAIPLLEGALGADTTEDGDEKSLERQKHA TTVFGANTPIVSCNPDYIYHLRCYVYQARNLLALDKDSFSDP YAHICFLERSKTRIIHSTLNPWDQTIIFDEVETIYGEPTVLQ NPPKVIDMLPNDQVQKDEFLGRSIFSPVVKINSEMDITPKLLW HPVMNGDKACGDLVTAELILRGKDGSNLPILPQAPAPLYMVP QGIRPVVQLTAIELANGLRNKNFQMASITSPSLVVECGGRV ESVVIKNLKTNPFPSSVLFMKVFLPKRELMPPLVIKVIDHRQ FGRKPVVGCCTIERLDPRCDPYAGKEDIVPOLKASLLSAPPCR</p>

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			DIVIEMEDTKPLASKCLSSMSTALSRLMASPATVHLTEKERRIV DWSKPYASSGGEHRKCGYIQKGYSLKIYNCELENVAREZGLT DFDSTFKLYRGKSDENEDPSVVGFEKGSFRIYPLPDDPSVPAPP RQFRELPSVPOECTVRIYIVRGLELPQDNGCLCDPYIKITLG KXVIE\DRDHYLPFTLNFVFGMYELSCYLPQEKDLKISVYDYD TPTREKVGETIIDLEWFF\LSRFG\SHCG\IPREYCVSGVNTW RDSLR\PTQ\LLQNVAREFGFPQPILEDGSSRIYGGRDYSLDE FEANKILHQLGAPERRALAHILATQGLVPEHVETRTLHSTPQP NIS\RYTLRVIWNTKDVILDEKSIITGEEMSDIYVKGWIPGNEE NKQKTDVHYRSLDGEENFWRFVFPDYLPABQLCIVAKKEHFV SIDQTEFRIPPR\LIQIW\DNKPS\LDYLGFPRTLTCRHTI HPLQKSPGGNC/RGLDMIPLKAMNPLKARTASLFEQKSMKGWV PCYAREKGARVMAGKVENITLILNEKEADERPAGKGRDEPNMNP KLDLPNRPETSYLWFTNPKTKFIVWRRPKWVIIGLLPLLLILL LFWAVLLYSLPNYLSMKIVKPVV
6022	4953	549	EATQPEVSIGWYGNKPDUTCKPLASTTOYSHAVFDGNNYVYLFV AHTKPVVTLTSYWDISERLDVMTLLAMARRIQTNIRALKSGI QGKIIPANQLAKLWKLIDEVIEDTATYTLPLTEKANVTVLDITQI RKLRSRSLSQIHEAAVENRSEATOVKSTLARTEDWLDKLMQLE EPQNSMPDI I IWMIRGEKRLAYARI PAHQVLYSTSGENASGKYC GRTQTLPLKYPOKERRNGPKVPELEVNILGLSAVEKGPSPAR GTFTVPAEMYENQALMFGKMGSTGLVGEHKPSDVTGKIKLREF FLPPKGEWENGEWIVDPERSLTTRADAGHTFTDEVYQNESRYP GGDWKPABDTTIDANGDKAASPELTCPPGMEWEDDANSYDINR AVDEKGEWYGTITIPDHKPKSWAAEKMYTHRRRLVRKCKD LTQTASSTAGAMEELQDQEGWEYASLIGWKPHWKQSSDTFRRR RWRREMAPSETEGAAAI FELEGALGADTTEDGUBKLEKQKHA TTVFGANTPIVSCNFDRTDYIYHLRCYVQARNLLALDKDSFSDP YAHICPLHRSKTRIESTLNFTDQTIIFDEVEIYCEPQTVLQ NPPKVIIMELFDNDQVGKDEFLGRSIFSPVVKLSEMDITPKLLW HPVWNGDKACGDVLTAEILILRGDGSNLPILPPQRAFNLYMVP QGIRPVVQLTAIRILAWGLENNMNFQASITSPSLVVECGGERV ESVVIEKLEKTPFPSSVLPKUVFLPKELLYMPPVLIKVIDHRQ VGRKPVVQCTIERLORPCDPYAGKEDIUPOLEASLLSAPPCR DIVIEMEDTKPLASKCLSSMSTALSRLMASPATVHLTEKERRIV DWSKPYASSGGEHRKCGYIQKGYSLKIYNCELENVAREZGLT DFDSTFKLYRGKSDENEDPSVVGFEKGSFRIYPLPDDPSVPAPP RQFRELPSVPOECTVRIYIVRGLELPQDNGCLCDPYIKITLG KXVIE\DRDHYLPFTLNFVFGMYELSCYLPQEKDLKISVYDYD TPTREKVGETIIDLEWFF\LSRFG\SHCG\IPREYCVSGVNTW RDSLR\PTQ\LLQNVAREFGFPQPILEDGSSRIYGGRDYSLDE FEANKILHQLGAPERRALAHILATQGLVPEHVETRTLHSTPQP NIS\RYTLRVIWNTKDVILDEKSIITGEEMSDIYVKGWIPGNEE NKQKTDVHYRSLDGEENFWRFVFPDYLPABQLCIVAKKEHFV SIDQTEFRIPPR\LIQIW\DNKPS\LDYLGFPRTLTCRHTI HPLQKSPGGNC/RGLDMIPLKAMNPLKARTASLFEQKSMKGWV PCYAREKGARVMAGKVENITLILNEKEADERPAGKGRDEPNMNP KLDLPNRPETSYLWFTNPKTKFIVWRRPKWVIIGLLPLLLILL LFWAVLLYSLPNYLSMKIVKPVV
6023	302	916	SQELGKVFVLENNILSTPDRAEQGLTLLCDARTDGSFLVHHFL SFYLKANKCVCFVALIQSPSHYSIVGQKLGVSILMARERGQLVF LEGL/IVCSGR\VFQAQKEPFLQFLREANAGNLKPLFEVREA LKPVDSGEARMITYPVLLVDDLSVLLSLGNGAVAVLDFIRYCRAT VCWELKGMVVLVHDSGDARDEKNDILLNGLSHQSHLILBAEGL ATGFCRDVHGQLRILWRRPSPQPAVHRDQSFTYQYKIQDKSVSFF ARGMSPAVL
6024	3	3260	FLSPLCYPRFCLFCLQFAIPASRMQNLKELLMKESPWERRAB LPARLFQKVVASFRTVLSGMDHYLVAVSTVQNKGNCRK RLVTASQSLNKKELCILRNDWCSVPVEPGDIILLEGDCSTDTW IIXDQPGYLILYFDMLISGTSIASSIRCMRAVLSETFRSSDPA TRQMLIGTVLHEVFQKALNNSEFAPKLOKLAFTQIQIRHLEKEM

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			YRLNLSQDEIKQEVEDYLEPFCNAGOFMHRNTSTDFPOMLSL PSDNSKDNSTCNIEVVXPMIDIESIWSRPFGLGKIDVTUGVKI RGGYKTKYKIMPLKLTGKESWSIEHSQVVLVTLSSQKRRADP EAGLLLYLETGQMYFPVANHLDRELLKLENQMAFSLFHRISKS ATROKTQLASLPQIIEKATCKYCSQYGNALYERAVEQQMDCS SVPIVMLPKTERTQRLKQTHLEYPFLWCLMLTESQSKNKKR RQNTWMLPASEMEKSGSCIGNLRMEHVKIVCDGOYLENPOCKH GAIPVNIIMAGDRVIVSGEERSLPALSAGYVKRINMTVTCLLD RNLVSLPESTLPRLDQEKNCIDITPLGNLSKLMNTFVSKLLR DLIIDPREPOFLSYLSSVLPEDAKDTVACILGKLNKPORQAMKK VLLSKDYTLIVGMPGTGKTTTCTLVRLLYACQPSVLLTSYTHS AVDNIILLKAKFKIGFLRSR\QIQKHPAIQQTERTICRSKSI KS\LALLEELYTSOLIDATTGCHHPHFPSKILPDPFCIVDEASQ ISQPICLGLPFFSRPVLVGDHQQLPPLVLRERARALGMSSELP ERLEQNKSAVVQTLVQYRMSKIMSLNKLTYEGKLECGSDKVA NAVINLREHFADVKLELHFPYADYSNPNLMGVFBPNPVCPLNTD KVPAPQVSRGGVSNVTEAKLIVFLTSIFVINGCSPSDIGIAP YRQQLKIINDLLARSIGMVEVHTVDKYQD\RDKSIVLVSPVRSN KGTVGEKLEKWRRI\VAITRAKHLILLCVPSLNCYPPLEKL LNHLNSELKILIDLPSEHRSILCHILGDPQRB
6025	3977	89	GGFPAQSDHLPVFPPLRSDLLTMTSLVSPHPDAPPSLRALIA ARYGEAGEGPGWGGANPRICLPPTSTRTSFPFRLPALBQGGC GLWVWGATAVAQLLWPAQLGGPGGSRRAVLVQGVSTADTLIP AACGATLPALGLRSSAQDPQAVIGALGRAISFLKRWLRILTYLA GRAPTADLAAVTALLLPFYVLDPPARRIMNVTRWPTCVRQ PEFRAVLGEVVLVSGARPLSHQPGPEAPALPTAAQLKKEAKKR EKLEKPOQKQKIQQQQPPGEEKPKPEKREKRDGVTYDLPFP PGEKDVSGMPDSYSPRYVRAAWPWEQQGPFKPEYGRFNVB AANPRGVFMNCIPPNVTVGSLHLGHALTNAIQDSLTRWHRMRGE TTLWNPGCDHAGIATQVVEKKLWREQGLSRHQLRGAFLQEVW KWKBEKGDRIYHQLKGLGSSLDWRACPTMDPKLSAAVTRAPVR LHREGIITYRSTRLVNMSCTLNSAISLIDVDDKELTGRLLSVPG YREKVPGLVSPAYKVGQSDSDERVVVATRIETMLGDVAVAU HPKOTRYQHLGKENVIHPLSRSLPVPDEFVDMDFGTGAVKIT PAHDQNDYEVQQRGLRAISIMDSRGALINVFPFLGLPFEAR KAVLVALKKEBGLFPGIEDNPMVPLNRSKDVREPLLRPQMYVR CGEMQAASAAVTRGDLRLPERHQTNRHARMNIRE\WCMPPG KLWNG\HR\IPATVTVSDPAVPPGEDPDGRYVNSGRNEABARE KMAKEPGVSFDKISIQQDEVDLDWTFSSGLFPLSILGNPQSED LSVFYPOTLLETCHDILFPWARMVMLGLKLTGRLLPFEVYLHA IVRDAHGRKMSKSLGRVIDPLDVTYGISIQGLHNLNLSNLDPS EVEKAKEGQKADFPAGIPECGTDALRPGLCAYMSQGRDINDVN RIIGYRHPNCILWNAKFALEGLGKQFVPSPTSQPGHESLVDR WTRSRLTEAVRLSNQGFQAYDFPAVTTAQYSFWLYKCDVYLEC LKPVLNGVDQVAARCAQQLTYTCLDVGRLLSPPMPFVTEHLFQ RLPRRMPQAPPSLCVTPYEPSECSMKDPEABALELALSITRA VRP\LRADYNLHFPESGPTCFLEVAD\BATGALASAVSGYVQGGP QAQVVVAVAEPWGLPAP\QCGAVALASDRCSI\HLOLOG\LLDP ARELG\KLQ\AKRVEAQ\ROAQ\RLR\ERRA\ASGNPVKVPL\Z VQEADEAKLQQTAEARKVDRALALFQKML
5026	2674	514	GPITFLKKAAMKMPRLRIBVLLGLATTLVQAVDKKVDCEPLC TCBIRPWFTPRSIYNEASTVDCNDLGLLTFPRLPANTQIILLQ TNNIAKIEYSTDFPVNLGDLSCNLSVSTVNINGKMPQLLSV YLEENKLTPEKCLSELSLQELYNENLLSTISPGAFIGLHN LLRLHLNSNLOMINSKNFALPNLEILMIGENPIIRIKDMNPK PLINLRSLVLAGINLTIPDNALVGLNLESISFYENRLIRVPR VALQKVNNLEFLDLNKNPDRIRRGDFSNMLHLKELGINNMPEL ISIDSLAVDELPLRKRIRATNPNRSLYIHPAFPRLPKLESIML NSHALSALYHGTIESLPNLEISIHNSNIRCDCTVWNNMKN IRFMEPDSLFCVDPPEPQGNWRQVHPDNMIRICLPLIAPESFP SNLNVGAGSYVSFHCRTA\BQPHIYHITPSQKLLPNT\LTID

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			KFTVHSEGTLDINGVTPKEGGLYTCIATNLVGADLKSVMIKVDG SFPQDNNGSLNTEIRDIQANSVLVSWKASSKILKSSVKWTA PVK TENSRAAQ SARIPSDVKVYNLTBLNPSTYKICIDIPITYQKNR XRCVNVITKGLHPDQKEYEKNNTTLMACLGGLLGIIGVICLIS CLSPMNCDDGSHYVRNLYLQKPTFALGELYPPFLINLAZAGKEKS TSLKVEATVIGLPTNMS
6027	5254	4148	GRRAPGRPGRSYKDEEBETVPREVVSFSPDPLFVRYDYDITTK PISFYLSELELLAWKPRLEDGPNVALEPLACROPPLSSQRPRT LICHDMGGYLDORFIQSSVVQTPYAFYHQCIDVFPVPSHRTV TIPPVGWINTAHRBGVCVLGTFITENEGGRILCRAFLAGDERSY QAVADRLVQIT\RFPRFDGWLINTENSLSLAAVGNMPFLRYLT TQLHRQVPGGLVLYDYSVVQSGQLKQDELQENRVFPDSCDGP PTNYKREBHELEMLGQAGEBRADVVGVDVFAHGVVGRFDT DKVGGGPRPRASGFVPLGPHFLMDLPFPSPAPQENDSSCSCSG DPVALNRNCPAPAKLCPH
6028	120	3432	NCLLQAKGPHGHTDLOQWLTDBEHLILASKPLGGLPETAKEQ LWVMEVCAAPFAKEETYSKLNQKQMLARCPASATNIDQDI NHLKKEKMSVETKLNRR\KT\KLEALNLA\MBFHSN\QDPIN RLTOAEQTLNVAASRPSLILDTVLPOIDEBKVPANFVNSHREQII ELDCTGTBLKYFSQKQDVVLKLLLSVQSRWEKVQRLVERGR SLDDARKRAQFHEANSKLMHWLESEBSLDSLELIANDPDKIK TQLAQHKEFQKSLGAKHSVYDTNRTGRSLKEKTSLADNLIKID DMLSELKDKNDTICGKSVQRNKLERA\LLFSGQFTDALQALID WLYRVEPQLARDQPVHGDIDLVMHLIDNHKAPQELGKRTSSVQ ALKRSARELIEGSRDDSSWVKVQVQELSTRWETVCALSISKQTR LEALRLQAEFHSVVHALLLEWLAEBQTLRFHGVLPDDDALRT LIDQKHEFMKLEKRAELNKATMGTVLAI CHPDSITTIKHW IT\IRARFEVLA MAKQHQQRLASALAGLIAQELLEALLAMLQ WAE\TLTDKKEVLPQBIIEVKALIAEHQTFNREMTREQPDVDK VTKYKRAADPSSLOSHIPVLDKGRAGRKRFPASSLYPSGSOT QIETKNPRVNLVSKMQQVWLLALERKKINDALDRLEELREFA NFDPIWRKKYMRVMNHKKSRVMDFFRRIDEDQDKITRQFID GILLSKFFTSRLMSAVADIFDRDGDGYIDYRFVVALHFNKDA YKPI TDADKIEDEVTRQVAKCKAKR\QVRQIGENKYPFLGNQ PGDSQQLRLVRLILSTVMVVGCGWALDEFLVKNDCPRAKGR NMBLAKKFLADGASQGNAAFPDGRSRSPSSRGASNRSTVS SQAQAASPVVATTTPKLIHLPLTRNYGKFWLTSKMSPTCKAA ECSDFFVPSABGTPIQGSKLRLPGYLSGKGFHSGEDSGLITTA ARVRTQPADSKKTPSRPQSRAGSKAGSRASSERGSASDFDISE IQSVCSDEVETVPQTHRPTPRAGSRPSTAKPSKIPTPORKSPASK LQKSSK
5025	A	3533	IMPQSSRLRGCCWTHFNRPVSDLSYFDCIESVMENSKVLGESH AGISQNAKTGDLPAFGBCVGIASKALCGLTEAAAQAAAYLVGIFD PNSQAGHGLVDP IQFARANQAIQMACQNLVDPSSSPSQVLSNA TIVAKHTSALCNACRIASSRTANFVAKRHPVQSAKEVANSTANL VETIKALDGDPSRDNKNCRIATAPLIEAVENLTAFAENPFPVS IFMQISSEGSQAQEPILVSAPMLESSESYLIRTASLAINDEDP PTWSVLGHSHTVSDS IKS LITS IRD KAPQRECDYS IDGTNRC IRDIEQASLAASVQSLATRDDISVEALQBLTSVVQBI GHLIDP IATAARGEAAQIGHGTQLASYFEPLILAAVGVASKILDHQQQM TVLDQTKTLAESALQMLYAAKEGGGNPKAQHTHDALTEAAQLAK RAVDDIMVTLNEAASEVGLVGGHVDALAEAMSKLDEGTPPEPEG TFVDYQITVVKYSKALAVTAQEMTKSVTNPEELGGLASQMTSD YGH LAFQGMMAATAEPKIGFPQIRTRVQDLGHGCI FLVQKAG\ ALQVCPTDSYTERHLIECARAVTEKVSLLVLSALQAGNKGTOACI TAATAVSGI IADLITIMFATAGTIAAENSETFADHERNLTAKTA KALVEDTELLVSGAAS TPDKLAQAQAQSSAATI TQLAEVVLGAA SLGSDDPETQVVLINAIKDAKALSILISATKGAASKPVDDPSM YQLKCAAKVMVINTVSLKTKVAVEDEATRGTRALBATIECIKQ BLTVFQSKDVPRTSSPESIRMTKGITMATAKAVAGNSCRBC DVIATANLSRAVSDMLTACKQASPHEDVSDVETRALRPGTEC

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			TLGYLDLLEBVLVTLQKPTPELEQQLAAPSRRVAGAVTELTQAA EAMKGTENVDPEPTVIAETELLQAAASIEAAAKLBQLKPRAK PKQADETLDFEEQILEAAKSIAAATSALVKSASAPQRELVAQGK VQSI PANAADDGQWSQGLISAARMVAATSSLCEAANASVQCHA SEKELISSAKVAASTAQLLVACKVKADQSEAMEELQACNAV KRASDELVRAAQKAAFGKADDDVVVKTFVGGIAQILAAQSEN LTKRELEEARKKLAQIRQQQYKPLPTLEDEG
6030	3	1777	FPGRGSPALQLEVLICGLMGLERLNLVLAIPFYENIVNLTEN APWNSLAWTVTSYVFLNKLQGGGTGSGFVSNLRTPFLWIKVQFP TSRRVELLIPSHLHSLRHLGRRGTGEVLRIADRGTSSTVGLL SYLVFNVIPTLADIIIGIIFYSMFPNANFGLIVFLCMSLYLTLT IVVTRWRTKPRAMTQENATRARAVDSLLNPFETVKYNNARSYE VERYREAIKYQGLEWKSASLVLNQTQNLVIGLGLAGSLLC AYFVTEQLQVGDYVLPGTYYIQLYMLNWFGTYYRNIQTNFID MEMDFDLKK\ZTEVKDLPGAGPFRFQKGRIBFENVHFSYADGR ETLQDVSPFVMPGQTLALVGPSPGAGKSTILRLPRPYDISSGCI RIDGQDISQVTOALPRFSHNLCPKDTVLNFTIADFIKGRVT AGHDEVEAQAAGIHDMAFFEGYRTQVGERGLKISGGKOR VAIARTILEAPGIILDEATSALDTSNERAIQASLAKVCANETT IVVAHRLSTVNNADQILVIKDCGCI VERGRHRAALLSRGGVYADMW OLQGGQRETS EDTKPTMER
6031	160	1694	LEMSNLDKSNVNEAGSKSNDSEGLEDAVEGADRALQKATES DSSSPQVQVORPHSSPFRFVTEELLESTARGVTOMALAEIVVNG DPQIKPVELFPENSLKKRVKRIVKAFFWDCLSVQSEDPFAYDHA IKLVGEIKETILSLPGLHRLRNQITVLDLDLIRQAENGAL DISKLAFTIGMGTLCAPARDEBVKKLDIKEIVPLFREIFSV LDLMKVDMAFIAISSIRPHMQQSVEYERKKFQBIERQPNSLD FVTQWLERASDLMQKYKHALPVGCMAGSGDMPRLSPVAVQN YAYLKLLKWDHLQRPPEPTVLMDSRPHRLQL\REOLTILGAV LLVTFMAAPGISSQADFAEKLKMIKILLTDMHLPSPHLKDVLT TTIGEKVCLVSSCLSLCGSSPFTTDKBTVLKQIQAVASPDPP IRRIMBSRLTFLFTYLAGSHQKPLPTVFGQLSPVQRELEVAI KFARLVNYNKMVFCPPYDAILSKILVRS
6032	39	2415	AARLCRAQPTKSAMNIRDLKMYPQTRHPAPHQPAQPPKFTISE SCDRIKEEPQFLQAQYHSLKLECEKLAASEKTEMQRHYVMYEMS YGLNIEHMQARIVKRLNAICAQVIPFLSQEHQOQVQAVERAK QVTMAELNAIIGQQQLQAQHLSHGHGLPVPLTPHPSGLQPPAIP PIGSSAGLLALSSALGGQSHLPIDKDKKHNDNDHQDRDSIKSS SVSPSASPRGAEKHNSADYSSESKKQKTEKKEIAARYDSGGEK SDDNLVVDVSNEDPSSPRGSPASPRENGLDKTRLLKKDAPISP ASIASSSSTPSSSKSLSLNEKSTTPVSKSNTPTPTDAPTGS NSTPGLRPVPGKPPGVDPPLASSLRTPMAVPCPYPTPFGIVPHAG MNGELTSPCAAYAGLHNISPMASAAAAAAYGRSPVVGFD PHEMRVPAIPNLTGIPGGKPAYSFHVSADGQMPVPPFDAL IGPGIPRHARQINTLNHGEVVCVATISNPTRHVYTGKGCVKVW DISHPCKEFPVSLDCLNRDNYIRSCRLPDORTLTIVGEASTL SIWDLAAPTPIKARLTSSAPACYALAI SPDSKVCFS CCSDGNI AVWDLNQTIVRQFGHTDGA SCIDISNDGTLMTGGLDNTVRS W\DLREGRQLQHD/FPTSPVFSLGYP\TRENLA VGHEMSN/V EVLHVTEPKDYQLHHS CVLSLKFACGKMF\VSTGKDNLLNA W\RTPYG\ASIP\QSKSSS\VLSCDI\SVDDKYIVTGS\GDK\ RATVYEVYI
6033	39	2415	AARLCRAQPTKSAMNIRDLKMYPQTRHPAPHQPAQPPKFTISE SCDRIKEEPQFLQAQYHSLKLECEKLAASEKTEMQRHYVMYEMS YGLNIEHMQARIVKRLNAICAQVIPFLSQEHQOQVQAVERAK QVTMAELNAIIGQQQLQAQHLSHGHGLPVPLTPHPSGLQPPAIP PIGSSAGLLALSSALGGQSHLPIDKDKKHNDNDHQDRDSIKSS SVSPSASPRGAEKHNSADYSSESKKQKTEKKEIAARYDSGGEK SDDNLVVDVSNEDPSSPRGSPASPRENGLDKTRLLKKDAPISP ASIASSSSTPSSSKSLSLNEKSTTPVSKSNTPTPTDAPTGS NSTPGLRPVPGKPPGVDPPLASSLRTPMAVPCPYPTPFGIVPHAG

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			<p>MNGELTSPGAAYAGLHNTSPMSAAAAAAYGRSPVVGFD PHHMEVPAIPPLTGIPGGKPAYSFVSAQGNQPVFPFDAL IGPGIPRHRQINTIANHGEVVCVAVTISNPTRHVYTGGKGVKVN DISHPGNKEFVSQDCLNRDNYIRSCRLLPDGRTLIVGGEASTL SIWDLAAPTPIKAKLTSSAPACYALALSPDSKVCPSCCSDGNI AVWDLNQTIVRQFGHGTGASCIDISNDGTLMTGGDLNTVRS W/DLEEGRLQQRD/FFTSPVPSLGYCP/TBWLAVGMENSV/V EVLHVTKPKYQLHLHESCVLSLKPAHCGKWP/VSTGKDLIAA W/RTPYG/ASIF/QSKSSS/VLSCDI/SVDKXIVTGS/GDK/ EATVYRVY</p>
6034	2683	714	<p>ESCRRLKRRRSPCPGTAGGPGETNFGPCACPRGPREAAAAA EIAQORAPPVPGADGDIREAPAEAGSPSPASPPADGRLKAAAR VTFFSDIIVSGAVEPKDPRHAQNVTVDEVIGAYEQACQKLEK EQIPKLLRQLQEPDGLHRLDCLDLKGEKLDYKTCBALBEVFER LQPKVDLEQTNLDGASALFDMIEFYESATHLNI SPNKHIGT RGWQAAAHMRTSCLOYL/DARNTFLDHSAPFVARALRIRSS LAVILHNASLSGRPLMLLATALONDMONLREYL/ADNKLNGLO DSAQIGMLKPNCSLQITLDLRNNHVLOSGLAYICRGLKQRKEL VTL/VLWDFQLTHGMAFLGNTLPHQTSLDTLNLGHNPIGNBGV BHLKNGLLSRSVLRGLASTHLTCGAVAVAEPTAESPLRLRL DLRENEIKTGGLMAISLALKVMHSLRLDLDRPREKRAVKSFLR TQKALLAETQNGCKRNLVLAREREKQBPPQLSAMPETTATBP QPDDEPAAGVQNCAPSAPSPDSDDSDSDGGEREREGERDET PSGAIDRTDGSSEPPPPPPPPSGPPLPGLKPKFALALPPEP PPGPEVGGSGGLEHLSCKNKEKLEELLLEASQESGOETL</p>
6035	19	404	<p>SVTYLGIILHRTGTALPADPVLISQTPPTSTKQLLSFLGMVG YFTLNIIPGFAITKPLCKLTRENLAIDPKSPSHSSPRLKTA LENASTLALPDSSQPF/SLPTARVQCQVVEILTQGLGLPV</p>
6036	1745	356	<p>LPDVEKIGERRGRKMDSVKGAATSVSNRGRPSRGRPPKIQRN SRGGQGRGVKPPHLAALILARGGSGKIPKNIKHLGVPLIGN VLRAALSGAFQSVNVSTDDHEIENVARQFGAQVHRSSSEVSKD SSTSLDAIIRFLNYHNEVDIVGNIQATSPCLHPTDLQVAEMIR REGYDSVFSVRRHQFRWSEIQROVREVEPLNLPNAPKRRPRQD WDGELYNGSPYFAKHLLIEMGYLGGKRMAYTEHRAHSVDIDV DIDWPIABQVLYRYGYGKKELEIKLLVCNIDGCLTNGHYVS GDQKBIISYDVKAIGISLLKSGIEVRLISERACSRQTLSSLK LDCIMEVSVSKLAVVDENRKMGLCWKRVATLGNEVSDDECKL RVGLSGAPADACSTAQKAVGYICKCNGGGA/IRBFABEIC/LJ MERGLINEMPRNENLAVNIGEEK</p>
6037	2936	1919	<p>WTSWMMSSVLTILLPSLQNGHMLNYSAPSAGCYLLPRKPVGTFA GGGFPRRHSVTLPSSEKPRQNLSSSLKGEAPALSSRDSRPRDR SPSEGGERLLPTQKPGCGQVNSRYET/ELCRPFEEKACKYK DRQQFANGIHLRLSLTRHPKYKTELCTFTHTIGFCPYGPRCHPT HNARERRALAGARDLSADRPRLOHSPSPAGFPSSAAATAATGLL DSPTSITPPFILLSADLLQSPPLPDGTRNPP/APSSQELASLFA PSMGLPQGGSPITPLPRMSES PHMFDSPPSQDLSLSDQGYLS SSSSSHSGSDSPTLONSRLLP/IFSRLSISDD</p>
6038	1450	426	<p>SSALQEGTIRNHTFGVPLPHRRKQIISCNICQLRPNSSDQAAAH YKGTAKAKKLKALRAMKNKQSVTAKDSARTPTSTITNTINTS SDKTGTAGTAPAISTTTTVEIRKSSVMITEITSKVERSPITATG NSSCPSTETREKAKRL/YSCLCKVAVNBASQLEAHNSGTAKH TMLEARNSGTIKAPPRAGVKGKGPVNGNIGLQNKTFHCBICD VHVNSETQLKQHLSSRRHDBAAGKPKPKYSPYKQKTAHPL GVKLVPSEKPKPLAPRILNPLAAAAAAAVVSSPFLRTAP AATLPTSLAPALLRPAAPGIRTAHTPVLPFAPY</p>
6039	4073	1000	<p>LQKYEARTLAKLDDPEEDNEEDDENRVNQEKAAKITEINKL NPLDARKDLATVNSNPFDDPDAARLNPFGDPSEEPITETASP RKTEDSPYNSYNPFKEVQTFQYLNPFDRPEAFVTIKDSPPOST KKKIRPVDMSKYLADSSRTREBELDESNPFYEPKSTPPPNL VNPVQELTERRERKAPAPPVLSPKTGVLNNTVSAGKDLSTS</p>

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			PKPSPIPSFVLGRKPNASQSLLVNCKEVTNRYGVKLTNFTTSW RNGLSFCAILHHPFDLIDYKSLNPDIDKENNKAYDGFASIGI SRLLSPSDMVLAIIDKLTVMITLYQIRAHFSGQKLEVVQIREN SSKSTYKVGNYETDTNSSVDQKPYAELSDLKREPLQQPISGA VDFLSQDDSVFVNDSGVGESESEHTPDHLSPTASPYCRRTK SDTEPQKSSQSSGRTSGSDPGICENTOSTQAQVLLGKKRLKA BTLELSDLYVSDKKKMSPPFICEETDEQKIQTLDIGSNLEKEX LENSRSLCSDPSPPIKRTSLSPSTKLGYSYSDLDLAKKHA SLRQTESDPDADRTTLNADHSSKIVQHRLLSRQELKERRVL LEQARRDAALKAGNKHNTAAPPCHNQLSDQDGERRRQLRER ARQLIAEARSQGRMSLPSYGERAAELKERSKASGDENNTBI DTNREIPEGFVVGDELINLENDLDTFBQNSKLVDLKLLLS VQPVANSPSSAAQKAVTESSEQDMKSGTDLRTERLQKTERP KFPVVPSEDTVRKIQLSQPSQYIENAFMKRQRSIQEDTKGKN EKKAAITETQKPSSEDEVLMKGFDS\SQYVVGELAALEKQKO IDYRAALVERKRLRYLMDTGRNTEEEKAMQEWPMVKNKHALR RQNLQSLLEKEDLERRYELLNHELRLMLAJEDNQKTRAKRRR QLLLE\VALVNRDALVRDIJQKQKQARRDEHLERTLEQNRG KMAKKKCKVLO
6040	475	1052	PTALMTAPSCAFVQVQPSVSGLSQITKELYISNGVAANKLM LSSNQITMVINVSVEVNTLYEDIQTMQVFPVADSPHSLCDFD PIADHIESVMEQGR\TLLHCAAGVSRSAALCLAYLMKYHAMS LDAETWTBSCRPIIRPNSGFNEQLIHYEQQLFGKNTVHMVSSPV GMIPDIYEKEVRLMPL
6041	2	3886	TERDEKTAHNLENVLIHFWRLEICVAKISRPADVESVLGVS NLGLVQLKQFESSLKSSKEKNGKVRPADEILSNKENEKCVSSG EKIRCWELTTEPSLTNNSGLLSPLEKCPLEDLVCKLADISIN VNERKSEQLBFLSTLLDSPSSSRVPMILGDEKQSIQAKPLE IARLVQKNPAVQFLYQKLGWLNEDQEDPGFLVDILYSALRCC DNDMERKVLDDLTQVLDKWNLSLKIIEKACPSDDKHALVTPWL KGDILGEKLVNADCLQNEDESRSVSSSHFSRRTLLSLVLSQ HYKNDYLIQDVYVERITVRLEHETLFRTKLSEARSSDSSVSFIC DVAYNYPSANGCILMPSSBOLLTLFOLCAQSKKTHLPDLI CKLNTWLSGVMLLVHQIDSYKSTFLHLSALWLENQVQASSL DINSLOVLLSAVDLLATLLESSEGYLMGVYIGSVNPNDSWBK MRQSLPMQWLRPLLEGRSLNTECPKIDFKQODIETLPSHLCT SALLSKMVLIALRKTVLNHELEKTIARLLYSLOWCEBNDNP IFLIGPCEILLQKMNITYNLRLVLGNMGLLQLEPNRSRREHTLW SLIAKLLSRSISSDEVKPHYKRESFPPLTECNLETTIQSLCP FLSKKKKFPQAQCIIPALLGNTKKDLCTNGGPGHLAIPNSCLQ TKSIDDGRLLHGILKIIISNKKKEDIFLPSCNLSBASPEVLGV NIEIIRFLSLFLKYCSSPLASSENDFIMCSMLAWLTTSENQAL YSIPLVQLFACVSCDILACDLSAPPDSTTLDTIGNLPVNLISEWK RFPSSQIHSLLLPILVTVTGENKDVSETSPQNAMLKPMCELTLY ISKEQLLSHELPARLVADQKTNLPEYLOTLLNTLAPLLFRAP VQIAVYHMLYKMPFELPOYDQDNLKSYGDEKEEPALSPPAALMS LLSIQEDLLENVLGCIIPVQIVTIKPLSEDFCTVLGYLLTWKLI LTPFKAASSQLRALYSNLYLRTKSLNKLLYHLPLMPENPTYAR TAVEVPNKDPKTPPEBLQLSIRETMLPYHIFHLACSVYHMTL KOLPAMVRLWNSSERKRVNIVDRFTSKYVSSVLSQBISVQT STQLFNGMTVKARATTREVMATYTIREDIVIELIIQLPSNYPLGS IIVESGKRVGVAVQQRNMLQLSTYLTQNGSIMEGLALWKNR VDRFPBGVEDCMICPSVIRGFNYSLPKACRTCKKFPESA\CLY KNFTSSNKSTCSLCRETF
6042	1306	253	MARLAPASPSDIKASVNGDTTLLCERQSCGMNEVRQVSLTYP GSPAPSHSLPLQPSGGSLCPSRAW/PDPHQLPDDTSSAQSRQY GAQRAPGGLSYPAASPTPHAAFLADPVSNMAMAYGSLAAQGB LVDRKNIDRFIPITKLKYYFAVDYMYVGRKLGLLPPPYLHQDWEV QYQODTPVAPRFVDNAFDLYIPAMAPITTYVLVAGLALGTQDRFS PDLLGLQASSALAWLFLVLAIIILSLYLVTVNTDLTTIDLVAF GYKYVGMIGGVLMGLLFGKIGYTLVLGWCVAIFVFMIRTLRLK

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6043	403	599	ILADAAAGQVPEGARNQLRMVLTMAVAARQFMIMVLTFLVR LCLFFFFPCATPVLPLPSLISAL/CLSHLSVSSWFCCQPPPLPC PLPPLONKTAKESLSTEQSERG
6044	793	412	KLEMANFTLISKVKISREVTNLASKPGIGQQVRSLLGYLGVVV DIDPVYLSLSEPSDELAVNDELRAAPWYHVMEDEGLPVHTYL AEAQLSESLQDEHP\EQPSMDELAQTIRKQLQAPRIEN
6045	155	2299	SPLPQVAAMNYLERRLSDSNFMANLPGTMTDLOBPQPPPPPPG AESPGATPGPGTATAKSSGVAAPASPAAPSPGSSGGGFFSSL SNVKTATAAAATPSEQVGGSGGAGRGGAASRVLLVIDEPHT DNAYFKCKIKGSDIDIKVQABPSDLNLVAHANGGPSVMEVL ENGVEVRSLEKDFVLIRQHAFSMARNGDYRSLVIGLYAGIPS VNSLSVYNPCDKPVVPAQVRLHKKLQTERFPLIDQTFYPNKK EMLSS\TTPVVVMQGGHTLGGWGRKVDHQDFQDIASVVALT ETATAEFFIDAKYDVRVQKIGQNYKAYMTSVSGNWKNTGSA NLEQIAMSRYKLVVDTCSEIFGGLDICAVEALHKKDCDRDRIE VVGSSMPLIGDHQDEKQLIVELVVYKMAQALPRQQRDASPGR GSEGTTPSGALPLGRQTSQQPAGPPAQORPPPGGPPQPGPGP QRQGPPLQORPPPGQQHLSGLGPPAGSPLPQRLPSPTSAFQQP ASQAAPPTQGGQRQSRPVAGGPGAPPAARPPASPSQRQAGPPQ XTRQTSVSGPAPPKASGAPPGQQQRQGPQKPPGPGAGPTRQASQ AGPVPTOTPPPTTQPPRPGPGPAGRPKPKLAQKPSQDVPVPA AAGGPPHPQLKSSQLTNAFNLPEAPFRPSLSQDEVKARTIRE LRESFASLESD
6046	212	1075	EGLTGPCEHVFPFLGRGPPHGCATAGHRAVEMAGPESLPPLPR SLIMDSPRAGTHQGLDABTEVGAADRCTSTAYQQRQVQVQK QAPLSFGLPANGGPGPGCEDPAAGGAGAGGSEPLVTVTQCA FTVALRARRGADLSLRALLQALPHQ\AQGLQSLYLAAGEDGH WVPIPEESLQRAHQDAACPRGLQCRGAGGRFVLYQVVAQH SYSAQGPEDLGRQGTVDVLCEVDQWLEGHCDGRIGIFPKCF VVPAGFRMSGAPGRPLPSQQGDQP
6047	19	1405	PVLVTSLRMRADTLRPPQIMEVSADIISTVEFNHTGELLATGD KGGRVVIFQRPESKNAHPSQGEYDVYSTPQSHBPFDYLSLE IERKINKIKWLPQNAHSLSTNDKTIKANKITERDKRPGYN LKDREGLKDLSTVTSLQVVLKPMDLMEVSPRIIFANGHTYH INSISVNSDCFTYMSAODLRINLWHLAITDRSFTP\NIVDIKPA NMEDITEVITASEPHPHCNLFVYSSSGSLRLCDMAAALCDK ESKLFEEPEPDSNRSFFSEIIS\SVSDVKPSHSDRYMLTR\DYL TVKVDL\NMBARPIBTYQVHOLYSKLCSLYENDCIPDEFECA WNGSDSVIMTGA\YNNPFEMPTRETKRDVTL\BASRESSKPRAV LKPRRVCVGGKRRRDDISVDSLDFTKILHTAWHPAENTIALAA TNNLYIFQDKVNSDMH
6048	1	3194	GIRTPEKCDSPSTDLERNRGRGRGRMRPNSNTPVNETATASDS KGTSSSKTRAGANSKGRGSGQSSEHRPPASSTSEDKASPPSS ANKRKNKPLSDMELNASSSEDSKGRVKTNSMGSATGLPGTKV RPTVLDENCPSFVLIQCPHPCNKRYKHINGLYVQAHHTDDD SKPRADGDSFYGERPILHADLGSCNG\ASVSQR\GSLSPARSAT PKVRLVPHSPSPSSKFPSTKGLCKKKLSGEGDTDLGALSNDGSD DGPSVMDTENDAFDGLERKCKMERKCKKPSLKEPKIPSKSLK SARPI/APLAIPQQIYTFQTATFTAASPGSSSGLTATVAQAMP NSPQLKPIQPKPTVMGEFTVNPALTPAKDKKKDKKKKSSKE LESPLTPGRVCRABEGKSPFRESSGNGMKMBGLINGSSDPHQSR LASIKAEADKIYSPDNAPSISIGSSLENTTPTQPLTPLRVV TQNGABASSVKTNSPAYSDISDAGEDGCKVDVSKDABQLVK EGAKRTLFPQPSKDSPPYQGFESYSPSYAQSSPGALNPSQ AGVESQALKTKRDEEPESIETKVRNDICREKPELSSSSQPPSV IQQRPNMYMSLYNQYAYVPPYGYSDQSYHTLLSINTAYRQQ YEEQQRQSLSQQRGVDRKAEWGLKREKAAKKEWKQKPSIPP TLTRAPSLTDLVSGPGKAKEPGADPAKSVIIPKDDSSKLPQ APBGLKVLSDASHLSKKEASEKTCACGROABMDPILWYRQEA EPRMNTYVPAKYSIDIKSEDERNKEERDEKLEKRRSRKDSVPK

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			<p>EDGKSTSSDCKLPTEERSRLGSKRPSPVHVVSPLTOHQSY</p> <p>IPYMHGYSYSQSYDPNHPSTRSMFPAVMQNYFGSYLPSSYSFSP</p> <p>YGSKVSGGEDADKARASPSVTCRSSSES KALDILQOHASHYKSK</p> <p>SPTISDKTSQERDRGGGVGGGSGSCSVGCSGGRSVDRPRT</p> <p>SPSQRLMSTHHRHLGYSLPQYINLPYAGLSSTAIIVASQQG</p> <p>STPSLYPPPPR</p>
6049	215	1089	<p>AMTGVDPDRVPSIRSGDFQAPPQTSAAMHHPQSPTLPRESSAT</p> <p>DSQYYSPTGGAPHGYCSPTASAYG/KALNFPYQVYEGVNGSAGS</p> <p>YPAQAYADYSYASSTHYGGAYNRVPSATNQPEKEVTRPEVEMV</p> <p>EGKPKKVRKPRITTYSSPQLAALQRRPQKTYLALPERARLAASL</p> <p>GLTQTQVKINPQKRSKIKKIMKNGEMPPHS PSSSDPMACNSP</p> <p>QSPAVWBPQCSSRSLSHHPAHPTSNQSPASSYLENSASWYTS</p> <p>AASSINSLPPPGSLQHPALALASGTLV</p>
6050	566	1718	<p>KGLERTCCAMBSDSBKTTEKENLGPMDPFLGEPG/GSLGWVL</p> <p>FWTAMKKKVLMLGKSGSGKTSMSRIIFANYIARDTRRLGATILD</p> <p>RIHSLQINSSLSSTYSLVDSVGNTKTFDVERSHVRFLGNLVLNLW</p> <p>DGGGQDTFMENYFTSQRDNI FPNVEVLIYVFDVESRELEKDMHY</p> <p>YQSCLEAILQNSPDAKIFCLVHMDLVQEDQDRLIPKREEDLR</p> <p>RLSRPLECCSPRTSIWDETLKAWSSIVYQLIPNVQOLEMNLRN</p> <p>FAEIIIEADEVLLFERATFLVISHYQCKEQDARRFEKISNTIKQ</p> <p>FKLSCSKLAASFQSMVRNSNFAAFIDIPTSNTYVMVMSDPSI</p> <p>PSAATLINIRNARKHFEKLERVDGPKQCLLMR</p>
6051	566	1718	<p>KGLERTCCAMBSDSBKTTEKENLGPMDPFLGEPG/GSLGWVL</p> <p>FWTAMKKKVLMLGKSGSGKTSMSRIIFANYIARDTRRLGATILD</p> <p>RIHSLQINSSLSSTYSLVDSVGNTKTFDVERSHVRFLGNLVLNLW</p> <p>DGGGQDTFMENYFTSQRDNI FPNVEVLIYVFDVESRELEKDMHY</p> <p>YQSCLEAILQNSPDAKIFCLVHMDLVQEDQDRLIPKREEDLR</p> <p>RLSRPLECCSPRTSIWDETLKAWSSIVYQLIPNVQOLEMNLRN</p> <p>FAEIIIEADEVLLFERATFLVISHYQCKEQDARRFEKISNTIKQ</p> <p>FKLSCSKLAASFQSMVRNSNFAAFIDIPTSNTYVMVMSDPSI</p> <p>PSAATLINIRNARKHFEKLERVDGPKQCLLMR</p>
6052	566	1718	<p>KGLERTCCAMBSDSBKTTEKENLGPMDPFLGEPG/GSLGWVL</p> <p>FWTAMKKKVLMLGKSGSGKTSMSRIIFANYIARDTRRLGATILD</p> <p>RIHSLQINSSLSSTYSLVDSVGNTKTFDVERSHVRFLGNLVLNLW</p> <p>DGGGQDTFMENYFTSQRDNI FPNVEVLIYVFDVESRELEKDMHY</p> <p>YQSCLEAILQNSPDAKIFCLVHMDLVQEDQDRLIPKREEDLR</p> <p>RLSRPLECCSPRTSIWDETLKAWSSIVYQLIPNVQOLEMNLRN</p> <p>FAEIIIEADEVLLFERATFLVISHYQCKEQDARRFEKISNTIKQ</p> <p>FKLSCSKLAASFQSMVRNSNFAAFIDIPTSNTYVMVMSDPSI</p> <p>PSAATLINIRNARKHFEKLERVDGPKQCLLMR</p>
6053	301	1704	<p>KGTENMKSRWQSRRRHGRSHQCNPNFRLEDSEDRSDSRAAQPA</p> <p>HDSGHODDESPSTSSCTAGTSVPELPGFYFDFPEKKRYPRLLPG</p> <p>HNNONPLTKESIRQKEMBSERLRLQEEEDRREKLIARMGFNASSM</p> <p>LRSQLGFLNVTNYCHLAHELRLSCMERKKVQIRSMDPALASD</p> <p>RPNLILADTNSDRLPTVNDVTVGSKYGIINLQSLKTPFLKVFH</p> <p>HENLYFTNRKV\NSVCNASLHLDSDHILLCLAKSLARTPGCATLL</p> <p>PASLFPVNSHPAGIDRPG\MLCSFRIPGANS CARSLEIQANNCPFS</p> <p>TGLSRRVLLTNVTVGHRQSGTNSDVLAQQFALMAPLLPNGCRS</p> <p>GEIPALDLRCGNQCKGWKATLFDHSAVTSVRILQDEQVLMASD</p> <p>MAGKIKLMDLRTTCVRYQYEGHVNEYAYLPLHVHREBEGILVAVG</p> <p>QDCYTRIWSIHARLLRTIPSPYPASKADIPSVAFSSRLGGSRG</p> <p>APGLLMVAGQDLYCYSYS</p>
6054	1	1054	<p>FPRIARLQEPGTSRRREMAAPSGVHLLVRRGSHRIFSSPLNHTYLB</p> <p>KOSSSQQRNFPPRRQRDISHSIVLPAVSSAHPVFKHKRPDY</p> <p>VTTGIVPMDGDSIEVKNRDQIQGLHQAQLARHVLLLAGSKLV</p> <p>DMTTERIDALVHRKIIISHNAYPSPLGYGGPPKSVCTSVNNVLCH</p> <p>GIPDSRPLQDGDIIINIDVTYNYGYHEDTSETFLVGNVDECGKK</p> <p>LVEVARRCRDEAIAACRAGAPPVIGNTISHITHQNGPQVCFHF</p> <p>VGHGIGSYFPHGFPIWHHANDSDLPMBEGMAFTIEPIITEGSPB</p> <p>FKVLEDAWTVVSLD/TSKVSQAFHTVLTITSRGAQILTLPHEA</p>

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6055	421	2364	PPYFLLSPLANNLYGQSDRTETDYGSAQPPPGTLQCSALHHPD GCANCSRPCRDSPACQCHTHVPPGNALEGVQPPHLSRTLALI SSREPPRRKKKQSTETGKRERTSPLTQGGKRFELQRLAGIOM TLITGDSIVSAAVVDHVTMARRRLAPKAGDVIRVLDASNRDW WMGQIDDEECWFPASFVRLVWVHDEVEBQPSDVQNGHLDPNSD CLCLGRPLQNRDMRAVVEIMSTEHHYIKHLKQICBGLKQK RKRDMFSDQLKVIPTGNIEDYTRFQMGFVRDLKQYKNDPFL SEIGPCFLRHQDGFWTYSEYCNHLDACNELSKLMKDSRYQHFF EACRLLOQMDIA\IDGFLITPVQKICQYPLQALRLKTTAQDH SDRYVAALAVMRVTQQINERKRLRNIDKIAQWQASVLDNE GEDLDRESSELIYTGEMANIYQPYGENQORVFFLEDEOMVLCK KOLIRRDILYTKGRIDMDKCYEVVDIEDGRDDDFNVSMKNAPKLH NEETKTHLFFAKJLHEKIRWLRAPREREMVQSEKICGPRISE NQKROAMTVRKVPKQEGVNSARSVPSPYPPQDFLRGQYLVP \DGIASQVFEPTKPKRSQSPFWQNPRLTPFKK SGGEGPVRVRSEQLSPSAEQVSQISQISLGRRLSSLPFPSPRA LAPTRAPDALTIMVAVESPLNPSCKMTFRPSMEETFEENK YLAYMESKGAHRAGLAKVIPPKEWKPRQCYDDIDNLLIPAPIQQ MVTGQSGLFTQYNIQKAMTVKPRQLANSKYCTPRYLDYBOL ERKYWKNLTFVAPIYGADINGSIYDEGVDEWNTIARLNTVLQVVE EECOISIEGVNTPYLYFGMKEITPAMHTEMDLYSINYLHFGEP KSWYAI2PEHGRKRLERLAQGFPPSSSQGCDAPLRHOMTLISPSV LKKYGI2PDKITQAGEPMITFPYGYHAGFNHGFNCARSTNPAT VRNIDYGVAKLCTCRKDMVKLSMDIPVRKQPDYQLWEQKQD IYTIHTKPTFASTPEVKAWLQRRKVRKASRSFQCARSTSRRP KADREEVSDDEVDGAEVPHFDSVTDLLKVSSEKSAAVKLENTA SSREBSASRMQVEQMLSDHILKSGNSCLSTS VTEDIKTEDDKA YATRSVPSISSEADDSIPLSTGYKPEKSDPSKLSWPKSPSCS SVAESNGVLTGEGESDVESEHGNLGEIIPAVPSGERNSPKVPS IABGENKTSKSWRPLSRPPARSFMTLVKQAPSDKEELPEVLSI KEEVEBTSNAKPLIHLMTKPPNFAABEQYNATVARMKPHCAI CTLLMPYHKGDSNEENDARWBTLEDEVVTSSEGTICPLIEMCF IYSEENIEYSPFNAFLERDGTSLISCAKCCVRVEASCYGPISH EICDGLCARCKENANTABCCCLNLRGGALKQTKKWKWAVMCA VAVPEVRFNVPERTQIDVGRIPLORLKLCIFCRHRVKRVSGA CIQCSYGRCPASFHTCABAAGVL\NEPDDNPVYVNTICFRHKV NPNVSKACEVLSVQGTVITKRNTRYYSRCVMVTSQTFTEV MPDGSFSRDTFPEQIVSRDCLKGLFPABCEVVQVKNPDGKLYG AKYFGSNLAEMVQVEFEDGSQIANKREDIYTLDEBLPKRVKRP VSAGRCHLGTQVNSLSSPHVSQAQOETYLGPWINSKSSQCHIF LEGTY
6056	43	3358	FVARLKBQCEBGLGPRREKGRARCRERRRRKQITRCCFVFLVQ GSLYLVIQGGDGPGESEDPERDDHEGQPRPRVPRERGHISPKS RPMANSTLLGLAPPGEAWGILGQPFNRPNHSPPPSAKVKIFG WGEFYSNITVALNLLVTGKIVDHGNGTFSVHPQHATGQGNIS ISLVPPSKAVEFHQEQQLIRAKASKIFNC\RMSWKKVE\RGRR TSLFTHDPAKICSRDEAQSATWSCSQPPKVVVCVYIAPYSTDYR LVQKVCPTVNYHSDTPYPSG HPLPSASLGLPSVSLGVSICVRSALLKAVVPMLEPKRRRARVGSF SGDAASSTPPSTRFEGVAILVEPRMGRSERRAFLTGLARSKGFR VLDAESSEATHVMEETSABEAVSWQERRMAAAPPCTPPALLD ISWLTSIGAGQPVFVECRHRELVAGPSKGPLSPAMMPAYACQR PTPLTHNTGLSEALEILABAAQFEGSEORLLTPCRAASVLKAL PSPVTTLSQLQGLPHFQEHSSRVVQELLSEGVCEEVEVRVRSB/ RLFTQIFGVGTADRWYREGLRTLDLREQPKLTQQQKAGBP SREAGPHASLNCITLPSASTP
6057	1	853	QQDFSLADLTDRHARCPGDGDDDPQLSWVASSPSSKDVASPT QMGDCDGLGEEGCTGLPYPCQFCDKSFIRLSYLKREBQIH SDKL2PKCTYCSRLFKHRSRDRHILKLTGDKKYHCHCEAAFS RSDHLKHLTHSSSKPCTVCKRGFSSTSSLSQSHMAHKKKX EHLAKSEKAKKDDFMCYCDTFTSQTELEKHLVLRHPQLSEK
6058	1	986	
6059	2	3650	

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			ADLQCTHCPEVFPVDENTLLAHIEQABANQKHCCPMCPB\QFSSV EGVYCHLDSDHROPDSSNHSVSPDPVLGSAVMSSTATPDSASV EKGSTPDSTLKLRLQKRRDGGQWTKVVSQPYCSERDPNSL AVLEIHLKTLDADRPQSHTCQICLDSMTLYNLARHVRKLHN HAYPMQPGNISAFHCNYCPMFADINSQEHIRVSHCGPNANP SDGNNAFFCNQCSMGFLTESSLTQHIO\Q\ARCSVGSAKLESFP VQPTQSFNEVYSCPYCTNSPIPGSLKLTKEHKEHNTPLAS KESKARQSPVSSDVEVSSPKRQRLSASANSISNGEYPCNQCOLK FSNFESQTHLKLHLKLLLRQACQCKEDPDSQBSLLQHLTVH YMTTSTHYVCESCDQFSSVDD\LOKH\LLDMPHFLCCTHCT\L CQSVFDS\KVSII\QVHLAVKHSNEKQWRTACNWDPRKADLO VHVEHSHLGNPARAKHCIPGRTPSTEVLQCHITTHSKKYNCK FCSKAFHAIILLEKHLREKHCVPDAATENGANGVPPHATKKA PADLQGMILLNPRAPNSHEASDDVDASKPMYGCDCGAAATMB VLLQNHRLRDHNRPGEDDGSRRKARFIKSHKCNVCSRTPFSE NGLREHLQTHRGPAKHMCPCICGERFPSSLTLTEHKVTHSKLD TGTCRICMPLQSKRBPFIHQCGHIDPLNSLTGPRCVCMQIVT STLELKHGTTHPMQKLASSAASSPBGQGLQKLYCALCLKEPR SKQDLVKLDVNGLPYGLCAGCHARSANGQVGLAPPEPADRPCA GLRCPESVKFESAKDLSESHQVDRDLTPETSGRPGTOTSPV PREKTYQCICKQMTFENREI\QIIVANHMIKGGIHHCKLCKQM FDSPAKLLCHLIERSEFGMGCTKCPVCFVTVQANKLQHHIFA VHGQDKIYDCSCQCPQKFFQTLQNHHTMSQHAQ
6060	2145	202	SYETVGNKLEVNHSQKALCKCSLPSRLPLIGBNLPLDRCFR KEPRSRGSRERDNLHLHSCCLCFRWLPANLAVLLSLAPSASS DISASRPNTILLNADDLIGDGGCYGNTMTPTNIDRLAEDGVK LTOHISAASLCTPSRAAFLTGRYFVRSGMVSSIGYRVLQNTGAS GGLPTNETTFAKILEKGYATGLIGKHLGLNCKSASDECHPL HHGFDHFGMPFSLMGDCARNELSEKRVNLEQKLNFLQVLAUV ALTLVAGKLTLLIPVSWMPVINSALSALLASSYFVAGALIVHA DCFLMRNHTITEQPMCFQRTTPLLQEVASFLERHKEGPFLLFV SFLHVIPLITMENFLGSLHGLYGDVVKMDMVMGRILLDTLDV EGLSNSTLIYFTSDHGGSLNQLGNTQYGGWNGIYKGGKMGW EGGLRVPGIFRWPGVLPAGRVIGRPTSLMDVFPFVVRLAGSEVP QDRVIDGQDILLPILLGTAQBSDEHFLMNYCERFLBAARKHQRDR GTMKRVHVPVTPVQPEAGAGACTGRKVCPCFGRKVVHEDPPLFD LSRDPSETHILTAPSEPVFYQVHER\VOQAVWEHQRTLSPPVPLQ LDRGLNIRPMLQPCCGPFLCNCLREDDFO
6061	110	1330	MNTHMRKRTIKNTFENEMLMIDGMFAVVRVTRILLESQGSFN VHNPDMBAVPLLLNNVGEPPEDSLVDHPQITFPVDLSINX ARTSPTAVSSSFVMTASASSPSSTSTSSSSSSRLASSPTVITS VSSASSSSSTVLTGQPLVASASGVGGQQLHIHVPFPPSPMNLQ SNKLSVHRIPVVVQSVFVYTAVERSPGNVNTIVVPLEDGRG HGAQMDPRGLSPRQSKSDSDDLFNVTLDSVNETGSTALSIA RAVQEVHPSFVSRVRGNRMNQKPPCSISPPSIBSTRQRTVLN PPDSKRTAYSTDCDF\EGLQQLYTKSSSPGRVHRETHGKPY ECTWEGCTKWFARSDELTHYRKHTGVKPKCADCDRSFERSDH LALHRRHMLV
6062	71	1079	ETMARNGPENCEDCHILNAAEPKSKKICKSLKICGLVFGILALT LIVLFWGSKHFWPEVPKQAYDMERTFYSNGEKKKIYMEIDPVTR TEIFRSGNGTDRTLEVDHFNQYTGIIYFVGLQKCPKTKQIKVIP EFSEPREIDENREITTFBQSVINVPKPKIENRDFLNSKI LEICDNVTMYW\INPTL\ISGTFKQQLHNFAPILLVSKLQDFE EEDGLHFPANERKGIQNEQWVVPQVVKTRHARQASEERLP INDYTENGIEFDMLDERGYCCYCRGNRYCRRVCBPLGYYP YPYCYQGGRVICRVIMPCNWWVARMILGRV
6063	71	1079	ETMARNGPENCEDCHILNAAEPKSKKICKSLKICGLVFGILALT LIVLFWGSKHFWPEVPKQAYDMERTFYSNGEKKKIYMEIDPVTR TEIFRSGNGTDRTLEVDHFNQYTGIIYFVGLQKCPKTKQIKVIP EFSEPREIDENREITTFBQSVINVPKPKIENRDFLNSKI LEICDNVTMYW\INPTL\ISGTFKQQLHNFAPILLVSKLQDFE

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			EECEDLHPFANERKGIENBQWVVPQVVRKTRHARQASREELP INDYTRNGIEFDPMLEDERGYCCICYCRGRHYCRVKPPLGYYT YPICYQGGRVICRVIMPCNNWVARMGRV
6064	913	311	HLFQSLFRPTESPPYSLEKMTDLVAVWDVALSDGVHKIRPEHG TTSGKRVVYVDGKEIRKEMFKLVGKBTFFVGAARTKATINDID AISGFAYEYTLKNGKSLKKYMEDRSKTTNTVLENDGENFRIV LEKQAMDVWCNGKLESTAGEFVDDGTETHPSIGTH\ACYIKAV\ SSG\KRKEGIIHLTVNDREIPEIAS
6065	1153	641	MSVVRVARVAVRGCASVVRGASSPPVPPFGAGGVARLLRDATA AREEAPWAATERRMPOQCSVLLFPQGSQVVGWGRGLLNYPRVR ELYAAARRVLGYDLLESLHGPQSTLDRTVHCQPAIFVASLAAY EELHHLQPSVTIENCVAAGFSVGEPAALVFAGAMEFAG
6066	68	3470	VKENMPATREPMRYGHTSGHTEVCFDGSGSPIVTCGSDGDVRIW BDLDDDDPKFIVNGEKAYS CALESGKLVAVSNNTIQVHTFPBG VPDGIILTRPTTANHVVFNGDGTCLAAGSSD\PLVKIVDMDSS QOKTFRGHDAFVLSLSPDFDKIPLASACDGSVRWQLSDQTC ISWPLQKCNVDINAKSICRLAWQPKSGKLLAIPVEKSVLYRR BSWSHQFDLSDFISQTLNVTWSPGQYLAAGSINGLIIVNNV ETKDCMERVHEKGYAICGLAWHPTGGRISYTDAGNGLLENV CDPSGCTSSSKVSESRVEDYNDLPDGDMSNAGDFLADNAVEIP SPSEGIINDDDEDDILMAGSRPQESHILRDDENSVDISMKT GSLLKREEREDGQESSIENLPLVTSQRPFFYDGPMPPTPRKPPQS GSTPLHLTERPMVWNSIGIIRCYNDEQDNALDVEFHDTSIHAT HLSNTLNTYIADLSHRAILLACBSTDEIASKHLCIFSSNDSSK EWIIDLPOVEDIATCLGQGNAAATSAALLRLPLTIGGVQKEVP SLAGPVVSMAGHGEQLFIVYHRTGFDGQCLGVOLLEILGKKKK QILHGDPLPLTRKSYLAHIGPSABGTPCYVDSBGIVRMILNRGLG NTWTPICNTRKCKGKSDHYWVG IERNPQQLRCIPCRGSRPPP TLRPAVALLSFKLPYCOLATEKQMBEQFNRSVIFHNHLDYLA KNQVEYERSTKQATKEQQELMRMLALSCKLEREFRCVELADL MTONAVNLAIKYASRSKILAQKLSLAVEKAARLTATQVERE EEREDFRKQLNAGYSNTATENSQPRFRNQVEEDAEDESGEADDE KPRHKKPGQNSFSKSTNSDVSARSQAVTFSSQGRVNPFRVSAS SKPAMSMNSARSTHLDNMGKSSKSTALSRTTNNEKSPIIKP LIPKPKPKQASAASTYFQKRNSTNKTBEVREBNLKVLSPTPAI CPQNTENQRPTGPFQMLLENRSNLSNDPSPDEADYIKEGH LRFVLSTERRKRVWANKAKGTASEGTAKRKRVRVDESDETEN QEEKAKENLNLSSKQEPLOFSTNOKLSAPAFKOE
6067	858	321	LPWQRLGVLLSRGNVAVTGWLESLETAQKTALLQGERKVBHYLP PDGEMABEYDEKTSLLVRKRVKSA LGAMQWQLEVGDPAPL GAGNLGPGLIESNANPIMRKOTMSQWRIENLPTPKDVSYSV SVDQKRCIIVRTTNKKYKPSIPDLDRHQLPLDALLSFA\T PTAP
6068	13	1730	GSKMADLANEEKPAIAPVVFVQKDRGQKSPAEQKHLSDSGRRP RGEAEAPHHTGHPESAGEHALEPPAPAGASASTPPPPAPERQL PPFPRELAGRSAGGSSPEGGEDSDREDGNYCPPVERERTSSLTQ PPPSQSEKSSGFRLKPTLIHQAPSAGLPSQKPEQQRSVLR PAVLQAPQPKALSQTVPSSGTNGVELPADCTGAVPAASPDTAH RSPSEADEVCALREKEFQKNESNASEBEACEKDPATQQAQV PCQNLDRVKLINESVDREAMEHAGHPSADTPTATNYFLQYISS SLENSTNSADASSNKFPVFGQMSERVLSPPKLEVSNDANRENA AASGSESSSQEATPEKESLABSAAATKATARKCLLEKVEVIT GEEAESVLOMQCKLPVFDKTSQSWVERGRGLLRINDMASTDDG TIQSRLSDAGPRGSLR\LI LATELMAQMQIDKASEK\SI RITAM DNEDQGVKVPFLISASSKDTGQVYALHHRILALRSRVEQEQRAK MPAPEPGAAPSNEEDSDDDVDLAPSGATAAGAGDEDDGQTGGS T
6069	583	27	PTRPCQACSSSAMAQRIGKRVLSKLQSPSRARCPGGSFGGLQK RHARVTVKYDRRLQRRLDVERKIDGHLLELYRGMEADMPDEIN IDELLELESKEERSKIQGLKSGKPFVEDFIQELLAKLQGLHR

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			Q\PGLRQPSFSP\DGQPSAPFGPGARTASELTLALFPQPPER RPALLCVLSCI
6070	478	858	IRVTVDGEFLHYIFPLQFLDSPW/RFTKTHRGHF\QVLTAE TDCRYVSHRRKLLYLLFAQHRYSIRLFSVLIGSDIADKLYALND RYVIGKRYEYDIRLENFYOMSTPEIRRSPLTQBFQNSRYW
6071	2	1654	HEARTKENMALARP\VRFLSVLTHLLAPRRGLTVRSPDEPLPV VRI\VALQRLQORQSRRRNLFRFVLVRPGFLLVSARRPELANP ARLTLGRNERAPLASQGHXSRRARRDHFSIRRAQQAFAVRKLS SKGSFADLCAMKPRVLHALQ\AAPEVVQ\PTTVQSSITPSSLR GRHVCAAEFGSGKTLSTLLPLQLRLG\HPSLDSLETPAPRGL VLVPSRZLAQOVRAVAQPIGRSLGLLVRLDCCGHRMRRIRLQLS RQPSADVLVATPGALWALKSRLISLEQLSFLVLDEADTLLDES FLRLVDYILEKSHIABGPADEDPFNPRAQLVLVGATFPBGVGO LANKVASPDVTTITSSKLHCIMPHVKQTPFLRLKGAOKVAELVH ILEHRDRAERTGPGCTVLVPCNSGSTVNWLGYYLDDHKIQHLRL QCGPALMRVGI PQSFQKSRDILLCTDIASRGLDSTGVELVUN YDFFPTLQDYIRHAGRVGRVGEVPGTVLSFVTHPMDVSLVQKI ELAARRRRSLPLGASSVKEPLQAT
6072	1	742	KMERTEMPTINSOLEFHSKPFPLVSSSRNLVRREGELTAYVEDT VLFSSRTSRQVYFPLFNDVLIITKKESESYNVDYSLRDQLL VESCDNEKLNSPGKNSSTMLYSRQSSASHLFTLTVLSNHNK VEMILGAETOSERARWITALGHSSGKPPADRTSLTQVEIVRSPT ARQPDLSLQVADVLI\YQVSDOWYEGSR\LRDGRGNFPMR CAMEITQATIDENVERMRLLGLETNV
6073	620	860	PCRRLARPLSRPPG/SILVHCAGVRSATLVLAYMLYHHLT LVEAIKKVKDHGRIIPNNGFLRLQLLALDRRLRQGLEA
6074	168	1110	PGARCNATLQCPDSMPCHQVNSASTPSPEQLRPGDLILDHA GNRASRAKRVILLTGVAHSSLPAELDSGACGSGSLNSEGNSGSG DSSSYDAPAGNSFLEDCELSRQIGALQLLPMNDQIRELQTIIR DKTASRGDPMPSADRLRLVVEEGLNQLPYKECHVTTPGYKYE GVKFERKNGCVS\IMRSGEAMEQGLRDCRSIRIGKILIQSDEET QRAKVVYAKPPDIYRRKVLWYPILOTG\WTVIRAVKVLIEHG VQPSVILLSLSPSTPHEAKSI IQEPFRITILTTHVHPVAPTHFG QKYFGTD
6075	320	1091	PPTCQPOQVEHH\YGYVPIIGNKITLPSRCHQCVIVSSSHLGT KLEPEIRERACTIRNDAPPTGYSDVGNKTYRVVARSVFRV LRRPQEFVETPTPTVPIWGPSPKMQKPGSLVRVIOAGLVFP NMEAYAVSPGRMRQDDLPGETGKDRKSHSWLSTGWFTMVIA VELCEHVHYGMVPPNYCSQRPRLQRMPIHYEPKGPDECVTYI QNEHSRIGNHERFITTEKRVFSSNAQLYGITFSHPST
6076	1721	107	HPSPTEAPRVQHLTMDCTWRIILFLVAATGTHAQVQLVQSGARV KKPASVKSCKVSGYTLTSLMHNVRQAPGKLEWNGAFDPED GETIYAQKPGGRVTMTEDTSTDTAYMELSSLEDEYAVYYCATD HGDYAFDIRCQGTMTVTSBAPTAPWFPPIISGCRHPKDNSPVV LACLITGYHPTSV\TVTWINGTQSDA\QRTFPEIQRRDSYMTS SQLSTPLQWROGEBYKCVQHTASKSKKEIFENPESPEAQASSV PTAQPOAEGSLAKATTAPATTKNTGRGGREKKKKKKRQERE TETPECPSTQPLGVYLLTPAVQDLMLDKATPTCPVVGSDLKD AHLTWEVAGKVPTGGVEGLLEHSHNGSQSHSLTLPSLWNA GTSVTCTLNHPSLPPQRLMALREPAQAAPVKLSLNLASSDFPE A\ASWLLCEVSGSPFNITLLMWLEHGEVNTSGFAPARPLPKP\ RSTTFWA\WSVLRVAPPSPQATYTCVSHEDSRITLNASRSL EVSIVTDHGMK
6077	3687	1268	LLPDMNLQPIFWIGLISSVCCVFAQTENRCLKANAKSCGECIQ AGPNCGWCTHSTYIQEGMPTSAACDLLEALKKKGCPPDDIENPR GSKDIKKNHVTNRSRGTAEKLEPEDITQIQPQVLRLRSSEP QYPTLKFKAARDYPIDLYLM\DLSSYMKDDLENVKSGLTDLMN ENRITSDPRIGFSGFVEKTMPIYISTTAKLENPCTSEQNCES PPSYKQVLSLITNGEVFNELVGQRISGNLDSPEGGFDAIMQVA VCSLIGWRNVTRLLVFSTIDAGFHFAGDGLGGIVLPNDGQCHL

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			<p>ENNMVIMSHYVDYPSIAHLVQKLSNNIQITIFAVTREFQPVYKE LENLIPKSAVOTLSANSSNVIQLIDAYNSLSSEVILENGKLS GVTISYQSY\CKNGVNGTGENGRKCSNISIGDEVQFESITSNK CPKSDSDSPKIRPLGPTBSEVILQYICCECQSEGIPESPKCH BNGTIFBCGACRCNEGRVGRHCCESTDREVSSEDIGCFARKENQ FQKSASNHGRVPSAGQCVCRRDNTNRIYSGKFCEDNPNCDRS NGLICGNGVCKRCVCECNPNYTGSAACDCLSDTSTCRASNGQIC NRRGICCGVCKCTDPKFGQQTCEMOTCLGVCAHRCVQCRA FNKGEKDDTCTQCSYFNITKVESRDALPQFVQDPVSHCKED VDDCNFYFTYSVNGNEVMVHVVENPECPTGPDIIPIVAGVVG IVLIGLALLINKLMIIDHRRFAKFEKKNARWDTGEMPIY KSAVTIVNPKYBCK</p>
6078	1426	180	<p>BTEDVMKLLKEDTCTPCCSLFDDPRVLPCSHNFCCKKLEBILE GSVRNSLWRPVPPKCTCRKTPSYWELIPLQVNSYLGKIVERY NKIKISFPMFVCRG\LGQPLNIP\CL\TDMQLDL\CGIC\ATR GEHTKHFVCSIEDAYAQERDAFESLQSFETWRRGALSRLDTL ETSRRSLQLLTKDSKVKFEFKLOHTLDOKKNEILSDPETMK LAVMQAYDPETINKLNTILQORMAFNIABAFIDVSEPTVPLQOM QEFREKIVIKETPLPSPNLPAFPLMENFUTSQWEDLKLVDVDK LSLPQDTGTGTFISKIPWSFYKLLILLLOLVIVFGPTMFLWSL FDDLATWRCGLSNFSSYLTATADFTQSVFYWQVTDGPFIPNB RFBPTFLVLENNVAEPVCKYLL</p>
6079	1586	141	<p>ATARDLGCARRIDRVNMESTPSBGLNRVHLQCRNLQEFGLGLSP GVLDRLYGHFATCLAVFRELPSLAKNVMEMFLBQPLQAAVA LMVKKEFSKAQERSTGLLSGLRIWHTQLLPGGLQGLILNPIPRQ NLRIALLGGGKANSDDTSQGLGPKHARDVPSLDKYAERNEVVL HFNVGSPSANSQDLAQLLSQAGLMKSTERGEPPCITSAGFQPL LLDTPAQLWYFMLQYLQTAQSRGMDLVEILSLFQLSPSTLQKD YSVEGMSDILLNPLQHLREPLVQRRKRSRRYPT/RALAINL SSGVSGAGGTVHQPGFIV\VTETRYLYAYTESELQIALIALPSE MLYFPF\NMVV\ARVTR\ESVQQAASGITTAQIIHFLRTRAP VHLRQT\VLPTITDQIRLWELERDRLRFTBGLVYNQFLSQVDF ELL\LAHAPKGLVLVFE\RTPAKRLMVVTPAGHSVDRPWRQK HSS</p>
6080	1	1199	<p>YETIDHVGREFAMAAQAGVSRQRAATQGLGSNQNALRYLGQDPK TLRQQLDSCVLPKDPPEFPACPSALGYZDLGPGSPQTGGIWK PTLCPSPQPTVCGATRTDICOQGLGDCWLLAALASLTINEILL YRVVPRDQDPQENYAGIHPFPPLCPSP\FWQYGENVEVVIDR LPTKQQLLPLHSEBQNEPWSALLEKAYAKLNGCTBALAGGSTV EGPEDFTGGLSEFPYDLKXPANLYQIIRKALCAGSLGCSI SABARAITSQKLVKSHAYSVIGVEVNFQGHPEKILRLRNPWG EVENSGANSDDAPEWNHIDPRRKEBLDKRVEDGEFWMSLSDFVR QPSRLRICNLSPDSLSSEBVHKKNLVLFNGHWTRGSTAGGCQNY PGSS</p>
6081	3	865	<p>EMLEPLLPLPLWA/GALAQDARFLEMPESVIVQEGLCIFVHC SVFYLETGKNDSTPAYGHNFRGVSVQSTPVAITNSTQEVQKE TQGRPHLLGDPSENNCSLSIRDARRRDNGSYFPWARGRTKFSY KYSPLSVYVITALTHRPDILPEPLKSGHPSNLTCSPWVCEQGT PPIFSWMSAAPTSLGPTLHSSVLTIIIPRQDEGTNLICQVTPP GAGVTTERTIQLSVSWKSGTVREVVVLAVGVAVKILLCLCLII ILSFHKKCAVRAVEEENVAVMG</p>
6082	283	1288	<p>EARSFGPTQTRTAPGLAAPGLAQPAALRLLSRPPSAAMDGDGD PESVGPPEASPEEQPEEASAEERPEDQEEKAAAAA\Y\LDL LPEPLA/LRVLAAALPRHE\LVQACR\LVCLRWKBLVDGAPLW LKQQQGLVPEGGVEERDHWQGFYPLSKRRRLNLRNPGCEBDL EGNCDVHEGGDGRVRELPGDSGVEPTHDESVKKYFASSFEWCR KAQVIDLQAGYWEKLLDTTPATVVDWYSGRSDAGCLYKLTIV KLLSEHENVLAEPSSGQVAVPQSDGGGMBISHTPTDYGPGVR FVRPEHGGQDSVYKRWFGARVINSVWVEP</p>
6083	1865	309	<p>KQCAERRGLGMSLADLADLEAAABEEGGSYGEREEEPALIE</p>

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			DVQESTQLDLSGDSVKTIAKLWDSKMPABIMMKIEEYISQAKA SEVMGPVEAAPRYRVIDANLTVIEINELNI IHKFIIRDKYSEK FPELESIVFPAALDYIRTVEKLGNSLDKCKNNENLQOILTNATIM VVSVTASTTQGGQLSEKELERLEKACDMALBLNASKHRIEYVE SRMSFTAPNLSIIIGASTAAKIMGVAGGLTNLSKMPACIMILG AQKRTLSGFSSTSVLPHTGYIYHSDIVQSLPPIPPPPSVAP\DL RREKAARLVAAKCTLAARVDSFHESTEGKVGVELKDEIERKFDKW QEPFPPVQVKPLPAPLDGQRKRGGRYRKMKERLGLTEIR\EQ ANRMSFGEIEEDAYQEDLGPSLGHGKSGSGRVRQTQVNEATEA RISKTLQRTLQKOSVYGGKSTIRDRSSGTASSVAFTPLQGLEI VNPQAAEKKEVAEANKYFSSMAEFLKVGKESGLMST
6084	1865	309	RQWCAERRGLGMSLADELADLEAAKEKEGGSYGERREEPATE DVQESTQLDLSGDSVKTIAKLWDSKMPABIMMKIEEYISQAKA SEVMGPVEAAPRYRVIDANLTVIEINELNI IHKFIIRDKYSEK FPELESIVFPAALDYIRTVEKLGNSLDKCKNNENLQOILTNATIM VVSVTASTTQGGQLSEKELERLEKACDMALBLNASKHRIEYVE SRMSFTAPNLSIIIGASTAAKIMGVAGGLTNLSKMPACIMILG AQKRTLSGFSSTSVLPHTGYIYHSDIVQSLPPIPPPPSVAP\DL RREKAARLVAAKCTLAARVDSFHESTEGKVGVELKDEIERKFDKW QEPFPPVQVKPLPAPLDGQRKRGGRYRKMKERLGLTEIR\EQ ANRMSFGEIEEDAYQEDLGPSLGHGKSGSGRVRQTQVNEATEA RISKTLQRTLQKOSVYGGKSTIRDRSSGTASSVAFTPLQGLEI VNPQAAEKKEVAEANKYFSSMAEFLKVGKESGLMST
6085	2	1456	SGPRSPQGRRAVRIGSLGGRNPFVTLFGVSSERVRRRRARV GVARVLPKGNFMPKSPATQVPR/VPAQVYLPGRGPPLRGEKELVM DBEAYVLYRAQTGAPCLSPD IVRDHLGDNRTLP/LTLYLCAGT QAESAQSNRLMMLRMHNLGKPPPEGSDEEKEDEDEDEEER KPQLELAMVETGGINRVRVSWLGERPVAGVMSKGVQVEVPALR RLQVVEBPQALAAFLRDEQAQMKP IFSFAGHMGEGFALDWSPR VTGRLLTGDCQKNHLMWPTDGGSHVDQRPVGHTRSVEDLQW SPTEHTVFASCSADASIRIWDIRAAPSKACMLTTATAHGDGVNV ISWSRREPFLSCGDDGALKIWOLRQFKSGSPVATPKQHVAPVT SVEMHPQDSGVFAASGADHQITQWDLG/ IVERDPEAGDVEADQG LADLPQQLLFVHQGETELKELWHPQCPGLLVSTALSFTI FRT ISV
6086	2419	1357	GAATONGGAMNLLPCNPHNGLLYAGFNQDHGCFACGMEKGFV YNTDPLKKEKKEFLEGGVGHVEMLFRCNYLALVGGGKKKYPY NKVMWDDLKKTVIEIEPSTEVRKAVKLRR\DKIVVVLDSMIKV PTTTTFP\HQLHVPF/TCYNPKGLCVLPNSNNSLLAPFOTHTG HVQLVDLASTEKFPVDIPAHBGVLSIALNLQGTILATASEKGT LIRIFDTSSGHLIQELRRGSQAANTYCINFNQDASLIVSSDEG TVHIIPAARDPKRNKQSSLASASFLPKYFSSKMSFKQVPSGSP CICAFTGTEPNAVIAICADGSYTKPLFNPFGBCIRDVYAQFLEMT DDKL
6087	476	1877	QNSORTGLPITIFSESFPLLTGSDLCENMPCTCTWENWRQWIRP LVAVIYLVSI VVAVPLCVBELQKLEVGILHTQWPIAGIFLLTI PISLAVILQHLVHYTQPELQKP IIRILWMPYIYSLDSWIALKYP GIAIYVDTCRECYBAYVIYNFMGPLTNLYLTRYPNLVILLEAKD QQGHFPPLCCCPNMGVEVLLFRCKLGVLQYTVVRPPTTIVALI CKLLGIYDEGNFSFSAWATYLV IINNMSQLPAMYCLLLFYKVLK EELSPIQPVGKFLCVKLVVVFSPWQAVVIALLVKGVISRGHTW EQQTVEAVATGLQDFIICIEMFALAA\HHYTFSYKPYVQEABE GSCPDSPFLAMNDVSDIRDDLSBQVRHVGRVTRGHPKRLPFEDQ DQNEHTSLSSSSQDAISIASMPPSPMGHYQGFHTVTPQTTF TTAKISDETLSDTIGEKKBPSSDKSVDS
6088	1684	689	GASGLVRLQLQGHRCCLAPVAPKLVPVVRGVKGFRAAFRFQKE LERQRLLCPPPPVRSEKPNWDYHARTQAFCHRLQENFSLDLL KTAPVNSCYIKSEAKRQQLGIRKEAVLLNLKSNQHLSEQGTSP SQTCLTQFLREDYPMPTGINKLVDFLTGEVVCVHARNLAVE QLTLSSEFPVPAVLQOTFFAVIGALLQSSGPRTALFIRDPLI TQNTCKELFEMNKIINPMGLLVELKURAVSAPESRLTRQSGVA

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			PTALELYFVGLYCDKRLIABGPGETVLVABEEAARVALRKLGYF TENRRPWNYSKPKETLRAERSITAS
6089	3	3054	TRLGIPGSTISSRPLCALAABGHFLGHSWTGSRAGAHTGAPAW PSRRLRLDLPAGGMRLRRAAVACEVCOQLVKHSSGIEGSLPLQK LHLVSRSIYHSHHTLQLRQPQLRTSPQOPSSLTNLPLRLKFE PIKYGYOPRPNFAPARLATELLKRLYLILGSAVGGGYTAKCTPD QWQOMIPDLSEYKNIIVPDIWIEIDYIDPEKIRKALPSSDLVK LAPDFDRIVESSLKEDPFTSGSPRETAFRATDRGSESDKHPRK VSDKEKIDQLQRELLHTQLKYORILERLKENKRLRLVLQKDD EGIPFTIESLRKSLIDMYSEVLVDLSYDASINTODHLPRVVVVG DQSAGKTSVLEMTAQARIFFRGSSEGMRTSPVIVTLSECPHVA LFDSSREFDLTKEEDLAAALRHEIKLHMRKNVKEGCTVSPETIS LWVGPGLOBMVLVDLPGVINTVTSGMADPTKETIPSIKAYMQ DPNALILCIQDGSVDAERSIVTDLVSQMDPHGRRTIFVLTKVK AEKNVASPSRIQQIIEGKLFPMKALGYFAVVTGKNSSSIRAI REYSEBFPQSKILRTSMKAEQVTTNRLSLAVSDCFWRMVRBS VEQQADSPKATRPKLETKENKYPRLRELDRELPEKAKNELD EVISLSQVTPKHEEILQOGLMERVSTHVIENIYLPAAQTWNSG TFNTTVDIKLKWTDQKLPNKAEVAVNETLQEBFSRPNTEPKGR KHDDIFDKLEAVKESIKRHKWMDPAEDSLRVLQMALEDORSI SDKQQWDAIYPMERKALQARLKDTENATRMVGPD\WKKRNLVW KNRTQEQCVHNETKNELEKMLKNEEHPAYLASDRITTVKRNLE SRGVEVDPDSLKIDTWHQVTRRHPLRTALNHCNLCRGFYTYQRH FVDSLEKCNVDVLEWRIQELM\TANTLROQLINTVRRLEKNV KEVLEDFAEDGEEKIKLITGKRVQLAEDLKKVREIOEKLDAFTE ALHQEK
6090	194	1560	PVVFYPAGGAVLEQAS/ASPLATQTTPVPLQRCRIPRLPVQASTL FELQLFQQLIALFVHYINIKYKTVWVYPPSPHPSHTSLNHLID PNLMVTTVLGRNPTGSIKVEASQRCQKSLSPRSILFLPTFTY LTATGWSLCSRILHILFTTYSFLNLL/PPLLSVMDVHVSVAABLR PARKTSLPHNMASHGPREAVSGLAKSRDYLLTLR\RRGSSTQDS CMARKTCP/PHACCLSPSLIRSEVPLWMDPNRMKBLVSSML SAYIVA/VFVVPVKYTHYIDKRWSCSLFLLVSISTSVILQHLL PQSVCDLHKAABHLGCWQIXVDPALCSNVLQHPWTEOMWPGV LVKSKNVYKAVGHYNVAIPSDVSHPRPHFPFSPKPLRLHLLLL LEGAVIVTQLYSLMSESKWBQTSIALILFSPNYVAFKLLRDL VLGKAYSYSASPOQDLDRPS
6091	3279	412	SSRTREMEKKBILRRQIRLLQGLIDDYKTLHGNAAPAGTFAAG WQPTTYHSGRAPARYPRPSRGGYSSHEGSPNRKRTSLVNRPPG PSDFADHAVRPLEGARGGQFPVPOQHVLRRQVOLSOGGNVVK VKPPSKSGSASASGAORGSLEEFEDTWNSDQRPRBGEGERFRGO LQPSRPTTRAGTCSVEDPLLVQCKRPGKPRMVKSVMGSGDSPRE PRRTVBSVIAVKASFPSSALPPRTGVALGRKLGSVASCAPQ LLGDRRDAGHTDQFVPSGSGVGGPARPASGPRQABEASLVVTCR TNKFRKNMYKVAASSKSPVARRALSPRVAENVCASAGMAN KVEKQPLIADPBPKPRIKPAITSXKPGSPASKYKXKASSPSASSS SFRPQSGEAGSKDASQLSPVLSRSPSGD\REAVGHSGLKPLSGE TPLSAYKVKSRTRIIRRRGSTSLPGDKSGTSPAATAKSHLSLR RRQALRGKSPVLKKTTPNEGLVQVTTTHRLCRLPPSRAHLPTKEA SSLH\AVRTAPTSRV\KTRYRIVKKTTPASPLSAPPFPLSLSPNRA RLSLSRSLVLNRLRPVASGGGKAQPGSPWWRSGYRCIGGVLY KVSANKLSKTSGQPSDAGSRPLRLTGRLDPAGSCSRSLASRAVQ BSLAIIRQARQRREKREKVCMYTNRPGRCNRGERCFYTHDPEKV AVCTRPFVGTCKRTDGTCPFSHVSRKEMFVCSYPLKGISNSN CPYSHVYVSRKAEVCSDFLEKGYCPLGAKCKEOTHLCPDFAREG ACPRGAQCOLLHRTQKEHSKRAATSAPAGPSDATARSVVSASHG PRKPSASQRPTRQTPSSAALTAATAVAAPPHCPGGSASPSSSKAS SSSSSSSSPPASLDHAPSLQRAALAAACSRLCKLPSFISLQS SPSPGAQPEVRAPRDLTKDSGKPLHKPRL
6092	143	3190	AKAPPTGESSEPEAKVLTKRLYRAVVEAVERLDLLCNKTAYQ EVPFKNISLRNLKRLCKVLMPLHPVDYGRKABELLWREVVYE

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			<p>VIQLIKTNKKHHSRSTLECAVTHLVAGIGFYQHLLLYIQSHY QLELQCCIDWTHVIDPLIGCKPVSASCKEMDWAQMACRCLVY LGDLSRYQNELAGVDTLLAERFYQALSVAQIGMPPNQIGTL AGSKYYNVEAMYCYLRCIQSEVSFEGAYGNLRRLYDKAAKMYHQ LKRCETRKLSPGKKRCKDIKRLLVNPMYQLQLQPESSSVDSKL TSLCQSVLEDPMCLFYLLPSSPNLSLASEDEREYESGYAFLPDL LIFQMVII CLMCVHSLERAGSRQYSAALAPTLALFSLVNEVNI RLQAELEGENPVPAFQSDGTDEPESKPEVKEKEEPDPEPPVPT PQVGEGRKSRKFSRLSCLERRRHPPKVGDDSDLSGCPESDSSH SARASBGSDSGSKSLGEGGTAFDAETDSEMNSQESRSDLEDM EERGTRSPPTLEPPGRSEAPDSLNGPLGPSEASTASNLQAMSTQ MPQTKRCFRLAPTFNLLIQPTTNPHTSASHRPCVNGDVDPKSE PASHEGSESESGSESSGSRSCNERSIQEKLQVIMABGLLPVAVKF LDWLRTPDLITVCAQSSQSLNRLSVLLNLLPAGELQESGLA LCPVQDILLEGCLEPDLPSILLPEDMALENLPPLRAAHRFPNF DTDRLPSTLEESVVRICIRSPGHFIARLQGSILQPNPEVGIF VSLAQSEBQBSLLQQAQAFMAQBEARENRLMRDMAQLRLQLEV SQLESSLQPKAQSAMSPLYLPDQALCHHLPVIRQLATSGRFI VIIPRTVIDGLDLLKRRHPGARDGIRYLEAEFKGNRYIRQCKE VGKSEFRHKLKRODADAWTLTKILDSCKQLT/LAQGAGEEDPSG MVTIITGLPLDNPSSLSCPMQAALQAAHAASVDIKNVLDIFYKQW KEIG</p>
6093	76	1002	<p>ACGRRAMLALRVART/SRWGAL\RGAVNAPGTRPSKRRACWALL PPVPCCLGCLAERWRLRPAALGLRLPGIGQRNECSGAGKAAPR\ PAAGAGAAARAPGGQWGPASTPSLYBNPWTIPNMLSMTRIGLAP VLGYLIIEEDFNIALGVFALAGLTDLLDGF LARNWANQRSALGS ALDPLADKILISILYVSLTYADLIPVPLTYMIISRDMILIAAVF YVRYRTLPTPRTLAKYFNPCYATARLKPTFISKVNTAVQLILVA ASLAAPVPNYADSIYLQILWCFTAFTTAASAYSYYHYGRKTVQV IKD</p>
6094	23	1010	<p>PFLRCLBGDQKARMSERKVLNKYYPDFDPSKIPKLKLPDRQY VVRIMAPFNMCRCTCGEYIYKGRKFNARKETVQNEVYLGPIFR FYIRCTRCLABITFKIDPENTDYTMHGAIRNFQAEKLEEBEK EVQKEREDBELNNPMKVLNRTKDSKLEMEVLENLQELKDINOR QAHVDFEAMLRQHRLSBEERRRQOEDEQBTAALEBARRRRL LEDSDSEDAAPSPLOPALRPNPTAILDEAPKPKRRKVEVWEQSV GSLGSRPPLSRLVVVKARADPDSCNQGPOA/APHERSPABQEG GQPYTPDANRVLPEPTGCIPOQ</p>
6095	1	1599	<p>TRGRAERSRGRGHLGGGFA\SVVDYPPSEDFYRCGYCKNES GSRSGMWAHSMTVQDYQDLIDRGWRRSGKYVYKPMNQTCPPQ YTIICRPLQFPQPSKSHKVLKMLKFLAKGEVPGKSCB\DEPMD STMDDAVAGDFALINKLDIQCDLKTLSDDIKBSLESEGKNSRKE BPQELLQSQDFVGEKLGSGBPSHS</p>

TRADOC:141627.1(7CSH011.DOC)

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			VKVHTVPKPGKADLSKPPCRKAKEIRKERRKRLKMQQNPAGKL EGFOAQGHPPSLFPPKAKSNQPKSLLEDLIFESLPENASHKLEVR VVRSSPPSSQPKATLLESYQVYERYQMVIKKNPDTPTESQFTR PLCSSPLBAETPPNGPCGCGYSPHQYWLGGKIIVGVVIDILPN CVSSVYLYTDPDYSFLSLGVYSALREIAFTQLHRTSOLSYYT MGFTLHSCPKMKYKGYRPSDLLCPETIVVVFIEQCLPSLENSK YCRFNQDPEAVDEDESTEPRDLQVFFHKRAIMPYGVYKQKQKPS BBAVLQYASLVGQKCSERMILLPRN
6096	2277	575	QRVRAALSSAMGDSRALGFBHMGDLPRLLQAVTDLGWSRPTLI QKKAIPALBGLLRLARATGSGKTAAYAIPLQLLHRRATGP VVBQAVRGLVLPFKELARQAQSMIQLATYCARDVEVANVSAA HDSVSQRAVLMKKPDVVVGTSPSRILSHLQDLSKLRDSLELLVV DEADLLSPFGFERELKSLCLHPRIYQAFIMASATFNEDVQALKE LILHNFTVLKLESQSLPGDQLQFQVVCSTEEDKFLLLYALLK LSLIRGKSLFPVWTLERSYRLRLPLEQPSIPTCVLNGHPLRSR CHIIISQPNQGFYDCVLTADAEVLGAPVRGRRRGKPGKASDP EAGVARGIDVEHVSAVLNFDLPPTPEAYIHRAGRTARANNPGIV LTFVLPTQPHLGLKELLSGNGRCPILLVYQPRMBIEGPRYR CRDAMRSVTQAIRBARLKIKELLSHSEKILCTYFEDNPR/DLQ LLRHDLPLHFAVVKPHLGHVFDYLVPPALRGLVPRHEK/GRSCL FLVGRPREQSPRTHCAASSTKERNSDPQSPPEVVGPLNS
6097	1673	192	APGTNSGGKKSSPQITSVTTOYEGFGSGASDPPTQPPPTGPP PRLPNGEPPSPDPGKGTWENGSPFPFGAPSSRFVVKLPNGLGE YRRGRWTCVDVYERDLRPHSFGGLLEGIRGASGGAGGRSLDSRL ELASLGLGAPTPPGLSQGPTSHLRPPPTSPGQARSFTGGLGQ LVVPSKAKAEKPLSAGSPQQRPEPETGSGAGTSRAATPLPSL RVEARAGGSGARTPLSRRKAVOMRLRMELGAPREMGOVPLDS RPSSPALYFTHDASLVHKSPPDFGAVAAQKPSLARSMLAISGHL DSDDSGSGSLVGI DNKIBOAMDLVKSHLMFAVREKEVLEKQI RELAEHMAALBOENGLLRALA/SPEQLGSAGPPRGVPR/LGPPA PNGPPVLSLSLTIVPLGLPLASAAWPLPMPALIVVPPGVG VDALSNQFWSGCLPHLLIIPSLDGGGEGFTGRQQAAPGEBT QPPPSLPGTPOQ
6098	168	1074	NYCLRHREPLEKDSPPGSSSTSLIKKQRETSOTPIHRAKRLD EGKIPKHWGTQTKEDTSNINPRQTETSVNASRSPKCAQQRQK RLNSAQRRSSSLPPSHRKSSTPTKREIMLTPTVTVAYSPPKRSPE NLSPGFSHLLSKNESSPIRFDILLDDLTVPVSTLQRTNPRKQL /QFLPLDSEK/TYSEKAT/DNI VNHSSCPRPVPGVKVSVR TAMKKNKSVSYEQCKPVSVTPQGNDFBYTAKIRTLASTERFF/D ELTKKQDI RAALSRMPSGGRITLQTRINQEA PGRSFGKD
6099	168	1074	NYCLRHREPLEKDSPPGSSSTSLIKKQRETSOTPIHRAKRLD EGKIPKHWGTQTKEDTSNINPRQTETSVNASRSPKCAQQRQK RLNSAQRRSSSLPPSHRKSSTPTKREIMLTPTVTVAYSPPKRSPE NLSPGFSHLLSKNESSPIRFDILLDDLTVPVSTLQRTNPRKQL /QFLPLDSEK/TYSEKAT/DNI VNHSSCPRPVPGVKVSVR TAMKKNKSVSYEQCKPVSVTPQGNDFBYTAKIRTLASTERFF/D ELTKKQDI RAALSRMPSGGRITLQTRINQEA PGRSFGKD
6100	2	713	FVEVSGYRSRADPEPRGRDTMTYALFKYIIIGDTGVGKSCLEL QFTDKRFQPVHDLTIGVEFGARMVNI DGKQIKLQIWDTAGQBSF RSITRSYYRGAGALLVYDITRRETFNHLTSWLEDARQHSSNM VIMLIGNKSDLESRRDVKREGEAFARR/HGLIFMETSATACN VERAFINTAKEIYRKIQQGLFDVNEANGIKIGFQQSISTSVGP SASQRNSRDIGNSGCC
6101	1	1399	FRGRANPLREVSHNLGCRRCVCSWSASWGRLPALSA RLSPILA GKMPVPLSCAVQQYANGKMSNSSEVARILLASSDPLAQIAEDKPY AELWMGTHPRGDAKILDNRLSQRTLSQWIAENQDSLSGSRVDTF

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			EGNLPFLFKVLSVETPLSIQAHPNKELAKELHLQAPQHYPPDANH KPEMAIALTPPQGLCGFPVREIVTFLKKVPEFQFLIGDRAATH LRQTMGSHDSQAVASSLQSCPSHLMRSERKVVVEQLNLLVKRISQ QAAAGNMEDIPEGELLIQLHQQYPGDIGCPAIYPLNLLTLKPGH AMPLEANVPHAYLKGDCVECMACSDNTVRAGLTPKFTDVTPLCE MLSYTFSSSKDRLLPLFTRSOEDFVLSYDPPVDPPTIMKA\BVP G\SVTRYKDLALDSASILLMVQGTVIASPTTTPPIPLQGGVL FIGANESVSLKLTETPKDLLIFRACCLL
6102	70	2415	QTPQATLAANGAEDSRGGEMLPAGETIGASPAAPCCSESGDRRN LEEKSDINVTVLIGSRQVSEGTONGDLPSYVSAPIEKEVGNDLK SLKKLKLIEQRTVSNMQLBQVLTISSEIPKIRIRSAKNARES KQFLNQFLBQETHLPSAINSHLLTAQPMDDLGTMISQIEEIER HLAYLKNISQIEELSDNIQYLMNTNVPAASTLVSMARLDIKL QESSCTHLGPMRATVFKFWKILDKLITSDFEILAQLHWPFIA PQSQTVGLSRPASAPRIYSVLETLFCQLLKLQTSHELITPK HSQKNTLFLPPLSS/WPIQVMLTFLQKRFYHPRGNRTNVL KPEWLAQVLMNIGNHTEFLDEKIQPILDEVGSLVNARLEPERG LNMLVLEKLATDIPCLLYDDNLFCHLVDEVLLFERELHSVHGYP GTFASCMHILSEETCFQRNLTVERKFAQEMDSMLSSRAAWVSQ YKDIITDVEKVPDCAETFWTLLLVITDRIKMLPTASRLQFLIE LQKDLVDDPRIRLTQVMKESTRASIGFRYCALINAVNYISTVLA DHADNVFPLQQAALVFAENNTLSKLQGLQASMESSVFDMM INLLERLKHDMILTRQVDHVFEVKDAKLYKKERNLSLPSQSEQ AVMSLSSSACPILLTLRDHLLQLEQQLCFSLERI PMQMLVEKLD VYIYQBIILANHFNBGGAAQLQFDMTRNLPLPFSHYCKRPENYF KHKKACTVNLNNGSALTAGKDVLPVOLQGSFPAT
6103	207	2523	ESNSTMTTYLLEFIQNEERDGVRFSSNNVWPFSSRLAETRMVVPVA ALFTPLKRRFDLPPIQYEPVLCSTRTTCAVLNPLCQVDYRAKLW ACNFCYQRNQFPSPYAGISELNQAPALPQFSSIEYVVLRGPM PLIFLVVDTCMEDBOLQALKESMQMSLSLLPPTALVGLITGR MVQVHELGCBGISKSYVPRGTDLQSAKQLQEMGLSKVPVTQAT RGPQVQPPPSNRFLQPVQKILMNLTLGLLQRPDPWPVQGR PLRSSGVALSIAVGLLECTFPNTGARIMFIGGPATQGPCHVVO DELCTPIRSHDIDKDAKYVKGTHPEALANRAATTOHVIDI YACALDQTLLENKCCPHLTGGYVMVGDSPFTSLFKQTFQRVFT KDMHQQPMQPGGTLEIETPR\RIKISGAIGFCVSLNSRGPCVS RNEIGTGGTCQWKICGLSPTTILATYFVVEQBNAPIQCG\RG A\IQFVTOY\QHSSGQRLRVTTIARN\WADAQTQIQNLAASFD QBAATLMARLATYRAETEGFDVLEWLDROLIRLCQKFGYHK DDPSSFRPSETFSLYPQPMFLRRSSPLQVFNNSPDESSYTRH FMRQDLTQSLIMIQPILYAYSFGPPFVLLDSSILADRILIM DTPPQLIYHGETIAQMRKSGYQDMPPEYENFRHLLQAPVDDAQK ILHSRPFMERYIDTEHGGSQARFLLSKVNSQTHNNMYAWGQES GAPILTDVSLQVPMHLLKLAUSSAA
6104	124	732	KVSEYIILSKDKILPHALAMLVLVSPNSAARGVLRNYWERLLR KLQSRPGFPSPPGPALAVQ\AQPCLSQCMIPVEVKRI/RSI LDSIPWMAAPKRNRTIBVRCRRRNPQLIKVNNIDVCECCH LKQKHVLCAVCYKCKETABIRREQIGKEGGPFKAPTITETVVL YTGETPSEDDQGERI IERDRKQPSWFTQN
6105	3	989	PLHGACTSLVLRPFCHRRPFCAPARPEDMRRPAAPVPLLLCLCP GSQRAKATAACGPRMLANMVGGQDTQECENPQVSIQRNGSHF CGGSLIAEQWLTAAHCFRNTSETSLYQVLLGARQLVQPGPHAM YARVRQVESNPLYQGTASSADVALVELEAPVPEFTNYITLPCLPD PSVIPTETGMCNVTVGWSPEEDLLPEPRILQKLAVP\IDT\PR CNLLYSKDTFEGYQPKTIRNDMLCAGFBEGRKDAKGDGSAQPLV CLVGQSWLQAGVISWEGCARQNRPGVYIKVTAHNNWIRIIPK

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6106	3	1302	LQVQPSSEVGRPFVTPPGGAP GRPPTAPHTGRPPTANEGDPRDLKRGCARILITSIESGRPAAS AGLRDRRCALERNPRLRAPLARATRRRAGSPRRCAPRPRACPOG WSRARHQPGGLCLLLLLLCQFMEDRSQAQCNLQAKNGEQV LYKTELSEKKECCSTGRLLSTWTEEDVNDTLFKWMI FNGGAPNC IPCKETCENVDGPGKRCRMNKNKPRVCAPDCSNITWGPVC GLDGKTYRNECALLKARCKEQPELEVQYQGRCKCTCRDVPFGS STCV\VDQTHNAYCVTCNRICPEPASSEQVLCGNDGVVTS\SAC HLREATCLLGRSIGLAYEGKCIKAKSCDIQCTGGKCKLWDFXV GRGRCSLDELCPDSKSDPVCASINATYASECAMKRAACSSGV LLEVKNSSGSCWTSIEDTEERREDEDDQYSFPISILEW
6107	623	168	SRCSSEPRFPGRGRGK/LSPEHRKNVEVFKACDEHKGYSRE DFKTAUVMLPGYXPSKLEVDVMSINPFTSGILLGFLNIVRK KBAQRTRNEVRHIFTAFTTYRGFTLEDFFKAPRQVAPKLE RTVLEVPREV\DRDS\DGHVSP
6108	3	1348	GGSLFSPFRVPSCSRVFCVPPGGCGLPSPMSASRFQSPPTPW CLPRRYMKHRDDGSPKQEDKAVDVTPTVMTCVFVVMCCSNLVLL YYFYDLLVYVIGIFCLASATGLYSCLAPCVRELPSASAGESA LLAPTIPNNSLPYFHKRPQARMILLALFCVAVSVVRGVPREEDQ NANVLQDALGIAPCLVMLTIRLPTFACILLLVLEFLYDIPFV FTTPTLTKSGSSIMVEVATGSPDSATREKLPNVLKVPRLNSSPL ALCDRPPSILQPGDILVPGLLVAYCHRFDIQVQSSRVYFVACTI AYGVGLLVTFVALAIMQRGPALLVLPCLVTS CAVALRRREL GVFWTSGGPAKVLPPSFMAFAPADGPQPPKDSATPLSPQPPSBE PATSPNPAEQSPKSRTSSEMGAGAPMREPGSPARSEGRDQAQPS PVTPPGASA
6109	1	1381	CRSRAGAASGGAILGFKLRQRVDITNKLDPPLVPSALRAAMLY LEDYLENIQLEPMDLRDRPTMREMDLQVQAMQDLEQRVSEFF MNAKENKPEWRREBQMASIKKDYTKALEDAERVLQANQIYDLVC RHLRKLQDLAKPKMLEADNAGITRILERRSLELDTPSQPVN BHAHSHTPVKRYNPTSEHTITDHIPEKKFSEALLSTLTSDA SEKNTLGCRRNNSTASSNNAYNVNNSQPLGSYNIGSLSSGTGAG GI\TMAAAQAVQATAQMKRGRTSSSLKASYEAFKNDPQLCKEP SMARETVGYSSSSALMTLTQNASSAADSRSGRKKNKRS6S QSSSSSSSSSLSSGSSSTVVQELSQQTIVVPESD88QVDWT YDPNEPRYICINQVSYGENVGCOTQDCPIEWFHYGCVOLTRAPK 8KWCPCQT\AAHKRGRSRHK
6110	77	2464	ACPSAATMSDODRSMDEMTAVVVICERGVGNGNGGNGGGAFSQ ARRSSSTGSSSTGGGQBSQSPPLAIJAATCSRIESPNRNSNNS QGSPQSGGTGELDLTATQLSQGANGWQIISSSSGATPTSKEQSG SSTNGSNGSSEKNTVSGGQYVVAAPNLQNGQVLTGLEGVMP NIQYQVIPQFTVDCQQLQFAATGAQVQDGSQGIQIIPGANOQ ITNRGSGGNI TAAMPNLQQA VPLQQLANNVLSGQTQYVTHVP VALNGNITLLFVNSVSAATLTPESQAVTISSSGSGESGSPVTS GTTISBASLVSSQASS6SFTNANSYSTITTTSNMGINMFTTSG SSGINSQGGTQPVSVGLQSDALNIOBOTSGLQAGQKRCR Q\NQOTQAPKSI SRPQLVQGG\QALQ\AFQAPLSGQTFTTOA ISQETLQNLQAVPNSGPIIIRTPTVGPNQVSMQTLQQLQ VONPQAQTITLAPMQGVSLGQTS88NTLTPIASAASI PAGTVT VNAQLSSMFLQTINLSALQTS8IQVHP IQGLPLAIAHAPGDH GAQLGLHAGGDIHDDTAGGEGGNSPDAQPQAGERTREACT CPYCKDSEGGSGDPGKKKHICHIGCGKVYKTSHLRAHLRW HTGERPFNCTMSYCGKRFTRSDRLQRHRTHTGKKFPACPECFK RPMESDHLSEKIKTHQNKGGPGVALSVGTLPLQSGAGSESGT ATPSALITTMVAMBAICPEGIARLANSGINVKEGGQPCSPINT SANGF

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6111	1637	797	RYDPRVRGAMAPWGKRLAGVRGVLDDISGVLVDGSGAGGCTAAGSVFAVARLKRSLKLVRFCTNESQKSRALKVGQLQRLGPDISEQRVTAAPAPACQILLKEEGLEPYLLIDRGV\ASEFDQIDTS/STENCVVIADAGBSFSTYOMNMAPQVLMLEKPVLLSLGKGRYYKFTSGIMLDVGPPYMKALYACGIIKAEGVGKPSBPFPKSAIQIGVEAHQAVMLGDDIVGDVGGAQRCGRALQVTRTGKFRPSDEHHPVKADGYVDHLAEAVDLLQRADE
6112	77	196	MSSHSKPSFKRFLAKQKPNRPILQWILKLTGNKIRHNWK
6113	1779	567	WBGSRNAACGVNCGAWGERSGVRASAEPSGRADVDGWSWSKQLRTNVDHLANTINSQRILAAVESCFGASGQPLALPGRVLLGBGVLTQPCREKAPRIPIPLNDILVYGSIVLNKKRYTSQHIIPLEBVTLELLPDTLQAKNRNMKTKAKSFVVAASATERQBNWISHIECVRRQLRATGRPA\STEHAAPIWPKATDICHCTQTRFSALTRRHCHRCRNVVVCACBSQRQRFILPRLSPKPVVRVSLCYRELAQQRKEABERCGAGVPRAAASHLARPICGFVEMTMTPTTRARAAGTATGPAWSSSTPGWPGLPSTADPRPAEHLSPQLHCPGPQBCSSSRSCPLARDPIFWQVQRNGVSLGLVPPPCWTLCYGFAGNAPFPKPNTHRSW
6114	818	246	VTSRDPSPSGSPAMSWACVSAAPSSSWPASSWPGPFRRCCTRKRRCSPRCGLAAGSMCSCSPSWRCTPVVACWPSPPP\PAEQVQC GELPHADRRALRLPVAAPAPAGPGQHPAGPAUPRPARTPPASP HDPGRPTVPAPPCCLLAATEPTPSNPHQRWTRERDMLGRGSQVTGRPQWFLRGLVLPSL
6115	324	71	DVCGRVCAHPHLYTHIMMHICAHAC\INTHAQLC/ITASHALAHSHLYTCMVMLTASHTPSHTHPHTAVHKEHRADVLRGLTITPLR
6116	595	1430	TGVPQFGRNHAA\ISSSGPVFEGARA\LQTVKKRREDESYTPVQAAVPMQTLNRPGQELPQLPQLRLYHBSGPLETSLRLRLCRNWLRPDVLKSAQITLLELLVLEQPLSILPGLRLVWQVLMNPSGRELWPCMRSCRGTLMGHPGGTRALP\BPRCALDGYRS\LRSAQIWSLASPLRSSSAIGDHLPEPYTEIARDPLAGQSDTPAAQMPALFPREGCPGDQVPTPRLSLTAQLQBTMTYKDVETVFSQDEWGLDQAQRNLYRDVMLENYRNNASLCK
6117	1433	222	VGVSPAPPPCSNWBVGPDGGGTFGILLKGGQGGRTPLLLLATRTRELLELFPFAAMEPAAPFLPVVVAVLWGAAPTRGLIRATSDHNASHPADILPALPGATLSQEGQLQGLVBAHPDRA CSP IAP*PPAPVREGVETALLRRPDCNFDLVNLAQKAGYGAUVENVVSHNLLNMVNSBBIQQQTIWIPSVFTIGERSSEYLALPVYKRGARVLLVPDNTFPIGLYTLIPTGTIGVLLVLANGAVMIARCTQHRRLQXNKLTK\BOLKQI\PTHDYQKGDQYDVCAICLDYEDGDKLRLVPCAHYHSRCVDPWLQTRKTCPICKQPVHRGPGQEDQESSTQGQEBGDRGEPDHPASERTPLLGSSPTLPTSFGSLAPALPVFPSPSTDFPLSPSSSPVILV
6118	1044	247	STISCRACTSQATPGAQSHRSARGHAAGGKBTALGMRGRVKKKKESKFTQKKIKGNGKREKRVKKEVEBQIKQBKQKQBRKRGKKEEKERTQKKETNKEKQPKGQKRGKGNKSTLTTRTPLEPLEKNEQILVLGLDGGKTSVLHSLASNRVQHSVAPTQGFHAVCINTEDSQMEFLIGCGSKPFRSTWEMLYSN\ADSLARSPEVGPQDSQPI TWKAKKYLEQLIAANPVLELVVPANKQDLRAAYHITDIBRALAII
6119	1217	462	DPRFVTENTTKAPAQKKTQPRSSRSGTILRSTMEYLSALNPSDL LRSVSNISSEBPGRRVWTSAPPQRPFRVCDHKKTIRKGLTAATRQRLAKALETLLIAGVLTLLVREDGTAVDSDFPQLLEDOTCLMVLQSCQSNSPTRSGVLSYGLGERRPKHSKDIAFPFTDVKONPRDLFGSLNVKATPYGLYSMSCDPQQL\GPKKVLRLRLRWTSLLIQGLGHMLIGISSTLHNAVBGAQWQKGRLLHSY

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6120	785	179	LERAGGGGLSSRALVSGACLSLVARANGKLPGRKEFVBAVR VRYVAFRYRTPRAVCLRLWSCRREVMSGRGKQGGKVRKAKEGR SSRAGLQFPVGRVRLRLKGNIAERVGAGAPVYLAADVLEYLTAR ILRLAGMAARDNKKRTIRIIPHLQLAIRNDEELAKLLGKVTIAQG G/VLPMIQAIVLLPKTTESQKDEGANDP
6121	1612	107	FVRAQARGSRQPVREPLLAGSRLRCRSCGRMEPLKVEKATAN EGNGLRAVTPLRPGRLLFRSDPLAYTVCKSGEVVCDRCCLGKE KLHRCSCQCRVAKYCSAKCKEAWPDHRRCKLCSCKPYPFDS VRLIGRVVFKLMDGAPSESEKLYSPYDLESNTINKLTEDKKEGLR QLVMTQHFMRRETIQDASQLPPAFDLFEAPAKVICNSPTICNAE MQEVGVGLYPSISLLHSCDFNCISIVNGPHLLLRVRDIEVGR ELTI CYLDMLMTSEERRKQLRDQYCFECD/CPRCQTDKADAML TGDEQVKEVQESLKKIIRLKAHWKQVLAMCOAISSNSERL PDINTYQLEKVLDCANDACINLGLLEBALFTGTRTMEPYRIFFPG SHPVBGVQVMKVGKQLQHQGMFPQAMKMLAFDIDRVTHERRH SLIEDLILLE/AMRQHQSLIRERSQREIRRVSLNALIRSET LCFVSCVNLSTYKFCSPVPV
6122	2	2324	RFRKMDGGAASQDESSAAAAAADSRMNPSETSKPSMESGDG HTGTQTNGLDPOEQPVVGGALSTAQAQAFGLHLDVQLAGTSL QAAAQGLNVQSKSNERSGDSQQPSQPSQPSQVQAIPOTQIMLA GGQITGLTLTPAQQLLLQQAQQAQLRAAVQGHASQGHSA GATISASATPMQIFLSQPIQIAQDLQQLQQLQQLNLQOPV LVHPTNLQPA/QFITISQTPQGQQLQA/ONLLTQLPRQSOAN LLQSPRI/TLTSQPATPTCTLAATPIQFLPQSQSTPKRIDTPS LEBP/SDLRELEQFARTPKORRIKLGFT/QGDAGLAMVKLYGND PSPTTIFRFBALNLSFENMKLKLPLEKWNDAENLSSDSSLSS PSALNSPGIEGLSRRRKRRTSIEA/NIRVALEKSFLEN/QKPTS ERI7MIADQINMEKGVIRVWFCNRRQKEKRINFPSGG/TSSSP IKAI/PSPTSLVATPESLVTSSAATLTIVSPVPLTSAAVTNLS VTGSDTTSNNTATVISTAPPASSAVTSPSLSPSPSASASTSEA SSASBTSITQTTSTPLSSPLOTQVMVTASGLQA/AQLLPKG AAQLPANASLAAMAAAGLNPMLAPSOFAAGALLSLNPGTSL GALSALMNSNTLATIQAASGGLPITSLDATGNLVFANAGGA PNIVTAPLFLNPQNLSTSNPVSLVSAASASAGSAPVASLHA TGTSAESIQNSLFTVASASGAASTTTTASQAQ
6123	3	2944	HLHRWFQTDQMIFNTTGEFQLTRACPYLTHSRESRFYILHL HLQPLEMKRVGVVFTPADYGVKVTSLILLIRNLTVIDMIGVGGFG ARELLKVGGRLLPGAGGSLRFPKVPSTLMDCRRLKDSKQILSTT KNFKVENIGPLPITVSSLKINGYNCOGYGFVLDCHQPSLDPMT SRDISIVFTPDFTSSNVIRDLSLVTAADLEPRFTLAVTLPHHL PLCADVVPGPWESFWRLTVFPVSLSLGVILJAFQQAQYIIM EFMKTRQRQNASSSSQNNQPMQVISPSYKSNCKNPLDTYGPS DEGRGKNCPLVNTQSRIQNAAKRSPATYGHSQKHKCSVYYSK HKTSTAAASSTSTTTEKQTSPLGSSSLPAAKEDICTDAMRENWI SLRYASGINVNLQKNLTLPENLLNKEWTLKNTIVPSNPSECS MKEGIQTCMPKETDIKTSENTARFKERRLCPLKTSKKLPENHL PRNSPQYHQDLPBISRRKRWGNQVVPVKNVDHCENLKVDTK PSSEKKIERTSREDMPSEKQDIPFVBQROPYRKKLQEKREBNL QNLNWSKSBTCRKNKRGVAPVSRPPBQSDLLKLVCSDFERSRLS SDINVRSWCIQESTREVCKADAXIASSLPAAQREAGYYQKFEK KCVDFKCSDDSSDCGSSSGSVRASRGSWGSWSTSSSDGDKKPM VDAQHFLPAGDSVSNDFPSEAPISLNLSHNICNPWGNLSLPQY AEPSCPSLPAGPTGVREDKGLYSPGDLWYTPFVCVTSLSNCTLE NGVPCVIOESAPVHNSFIDWSATCEGQPSAYCPLHEDYNAPP REMMNYANGFPCPADVQTFIDHNSQSTWNTFP/AMPAS/WGNA QFPSSSRPYLKSTPKACLPMGSLFGPI/WAP/QSDVYENCCEP IN

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			PTTEHSD/THMENQA/VVCKEYYPGF(NPFRATMNLDIWTTT(A NRNANPPLSRDSSYCGNV
6124	1573	236	SDEALRLAGEEGMGRVQLFEISLSHGEEVVSPEPLAGTVRVRL GAPLPFRAIRVTCIGSCGVSNKANDTAVVVEGYPNSSLSLADK GSLPAGEHSPFPQFLPATAPTSFEGPFGKIVHQRRAADHTPRP SKDHKCSLVFYILSPFLNLSIPDIEQFNVASATEKFSYKLVRTG SVVLTASTDLRGYVVGQALQLHADVENQSGKDTSPVVASLLQXV SYKAKRWHDVRTIARVEGAGVDAWRRAQWHEQILVPALPQSAL PGCSLIHIDYVLQVSLKAPVATVTLVFFIGNIAV/NPCPSEPPA RPGAASWGPTPGG\PSAPPQEEABABAAAGGFHLDPVFLSTKS HSQRQPLLATLSSVPGAPEPCPDGSPASHPLHPFLCISTGATV PYFABGSGGPVPTTSTLLLPPEYSSWGYPTEAPPSTEQSCGGVE PSLTPE
6125	1	904	KTCPKLTCAFTVSVPDSCCRVCRGDELSEHSDGDIPEQPANR EARSHYRSHYDDPPSRQAGLSRFPGARSHRGALMDSQASGT IVQIVIRNKHKHEQVCVSNKRTYSHGSEWHPNLRAPQIVECVLC TCNVTRQCKKIHCPNPEYCKYPOKIDGCKCKVCPG/KKAKREL PGQSPDNKGYPCGRETMPVYESVMEGCTTRKIALETERPPQV EVHVWTIRKGLQHPHIEKISKRMFPELPHFKLVTRTTLTSMKI PTEGEAQISQMCSSRVCTBLEDLVVLVLERSEKHC
6126	1224	389	RLLSRAPCFESRRRFQNPENGOAFVHVAVAGGLCAVAVPTGIF DSVSVQVGYEYARAPVAGLEPAFLAMPFNSLVNMAITLLGLSWL HRGGAMGLGPRYLKDVPAAMALLYGPQWLRLLWQWRAAVLDQ WLTLPFAPMPVAVCLYLDGRWRP/WLFLSLECVSLASYGLALLH PQGFVALGAHVPAVGALEBT\ERHYG/SATPSATYALGVLS CLGFVVLKLDHQLARNWLPQCLTGHFMSKVCVQLQHFALFL TEFNTDPRFHPSGGKTR
6127	1335	463	VLPRCLVFFVNTMDSREPTLGRIDAAGFQVQWRPDADERGY IERKELDAFFLHMLMCLGTDGTVKMLNHRVKKQVMTTQDASKO GRIRMKELAGMFLSEDEFFLLPRENPLDSSVEFMQIWRKYDA DSSGPIAARLENFLRDLPLHKKAISEAKLEYYTGTVMKI PDR NEDGRILDNDLARTIALQENFLQPKMDACSTBRKKGDFEIKFA YTDVSEKALBGP\EVDFGVKDMMLVQPSISGVLDLDFEILL RHCDVNDGKIKQSKLALCLGLRNP
6128	2511	843	TCRNSRRQLRWVSSQVQARGNVRAPLGKIAMGLMSSKD SPGSLDGRANEDAKPQSAWCGGRKTRVYATSSRRAPPSEGTTR GGAARPEKTABEGPPAAPGSLRHSGPLGPHACTALPEPQVTS MSSQVVGIRPLYIKARPASPDSPGSSSETETEPFVALAPG\PA TRCLPGHKEEDGEGAGPGEQGGKLVLSLPERLCLVCGDVAS GYHYGVASCEACKAPFRTIQGSIEYSCPASNECRITKRRKAC QACRFTKCLRVGMLKEGVRLDRVEGGRQYKRRFVVDPLFPFGP FPAGFLAVAGGPRCTAAPVNALVSHLLVVEPEKLYAMPDPAGPD GHLPAVATLCLDPRRIVVTISWAKSIPGFSLSLSDQMSVLQS VWMEVLVLGVQASLTLDQELAPARYLVLDREGARPAGLGELG\ AALLQLVRLQALRLEREYVLLKALALANSDSVHIEDPELWS SCEKLLHEALLYEAGRAGPGGGAERRRAGRLLLTPLLRQTAG KVLAHFYGVKLEGKVPMMKLFLEMLEAMMD
6129	1764	771	ARFARSAREGRMPKCTGAREKAENRREREKQLRASRSTIDLAK HPCNASMECDKQRRQKNRAPCYPCNSVQKLPICAQCGKTCMM XSSDCVIRHAGVYSTGLAMVGAICOPCEAMVCHGRKCLSTHACA CPLTDAEC\VECEKGVNDHGGRI PSCSPCHNFLCEDDQFEHQAS CQVLEARTPKCVSCNRLQHSCLRCACPCDDHTSKVFPQBEK KQPPCPKCGHETQETKOLSMSTRSLKFRQTGGEGDGASGYDA YWNLSDDKYGDTSYHDEKDEYEAREDDREDEBGRKDSDTRESS DLFTNLNLGRTYASGYAHYBEQEN
6130	3	577	GRGGTMRBYKVVVLGGG\GVGKSALTVOFTCTFIEKYDPTIR

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			DFYRKEIEV\DSPPSVAGISWTQQTEQF\ASMRDLYIKKGQGC ILVYSLVNQQSFQ\DIKFMRDQILRVKSEKVPVI\LVGN\SVD LSEKREVSSSSGRALAEWGCFFMETSASKSKTMVDELPAIVRQ MNYAAQPDDEDDCCSACNIQ
6131	3	1811	SSPREKTSDDSHRPSRHGFLPLRLVGLSPPEYLCVPPSERPVFGS PRSLSAMRLPLAPGRRLRGSFPHLPSCSPALLLLVLGGCLGVF GVAAGTERPNNVLLTDDQDEVLGGMTEPKTKALIGEMNTFS SAYVPSALCCPSRASILTKYFPHNHVVNNTLEGNCSKSWQKI QSPNTFPAILRSMCGYQTF\AGKYLNEYGAPDAGGLEHVPLGW SYWYALKSKSKYNYNTLSIEGKARKHGHNTYSVDYLTDLANVEL DFLDYKSNFPFPMTATP\APHSPWTAAPQYOKAPQHVPAFRN KNFNLHGTHKHLIRQAKYPMINSSIQFLDNAPREHWQTLISVD DLVEKLVKLEFTGLHNTYIPTYSDNGYHTGQFSLPIDKROLY HFDIKVPLLVRGPGIKPNQTSKMLVANIDLQPTIIDLAGYDLNK TQMDGMSLLPILRGASNLNRSDDLVEYQGEGRNVTDPTCPSL SFGVSCCFDCCVCDAYNNTYACVETNSALMMLQYCBFDDQEVFV RVTNLTADPDQITNIAKTIIDPELLGKNYRIMMLQSCSGPTCRT PGVDFPGYRFPDRIMPNSNRCSVTRRRFSKHL
6132	96	1241	AAGLLPPLVFPDPERTEMLDFGICQGPFFALSRLPFCVESGN AMEAMSPRFLYDLQLPGEVPPAREBELSRGGRKKYLPPTSRKD PKFEELQKPA\VLMEWINATLLPEHIVVRSLEKDMFDGLILHL FQRLAALKLEADIALTATSQKHLTVVLEAVHRS\CSWRSGRF SGA\WESIYNKDLISLLELLVALAKRPQDLSLPTNVQVEVITI BSTKSGLEKSEKLVQLTEYSTOKDEPPKDVDELFLAPEKVN A VKBAIVNFVNQKLDRLGLSVQNLDTQPADGVILLLLIGOLEGFP LHLKEFYLTNPSAEMLNHTLALELL/IGRGAQLPC/LALK/ TIVNEDAKSTYLRVLYGLFCRHTQKAHRDRTFHGAPN
6133	2	4256	FVHGSMADTDLFMECEERELEPQKISDVIDESVVEDYNSVDKI TTVSVSQQPVSAVPPIAAHASVAGHLSTSTTVSSGAQNSDSTK KTLVTLIANNAGSPLVQQGQPLILTONPAPGLGTMVTPQVLR FVQVMQANHVTSFPVASQPIFITTQGFVNRVRFQVQAMNQV IVLNVQQGQTVRPITLVAPGTQFVKTGVQVQVPSQMTVPVRG STMPVRPTNTFTTIVIPATLTIRSTVPSQSQQTSTPSTSTP TATQPTSLGQLAVQSPGQSNQTTNPLAPSPFPSPPAVSJASPT VKRPGVTGENSEVAKLVNTLTNTPSLGQSPQPVVVSNNSSAH\ GSQRTSGPSSSMKVTSIIPVFDLQDGRKICPRCNAQFRVTEAL BEHMCYCCPEMVEYQKRGKSLDSEPSVPSAARPPSPKITAIVAS /THPSSTPIPALSPPY/TXVPEPNENVGDAVQTKLIMLVDDFFY GRDGGKVAQLTNPVKVATSFRCPHCTKRLKNIRFMNHEMKHVR LDQNGEVDGHTICOHYRQFSTFPQLQCHLENVHSPYESTTKC KICEWAFESSEPLFLOHMKDTHKPGEMPVVCQVQYRSSLYSVD VHFMTHERDTRHLLCPYCLRVFENGNAFQOHYMRBQR\NVYH\ CNKCRVQPLPAKDKIBELQHKKTPREPEQLGLKPGTRVTIRA SRQQRTPVPSSNDTPPSALQEAAPLTSMDPLPVFLYPPVQRS IQKRAVERMSVMGRQTCLECSFEIPDFPNHPTTYVHCCLCRYST CCSRAYANHMINDHVPKRSFKYLALFENSVSGIKLACTSCTFVT SVGDAMAKHLVFPNPSHRSSSILPRGLTWIAHSRHGQTRDRVDR NVKNMYPPSPPTNKAAATVKSAGATPAEPRELLTFLAPALPSA STATPPTPTTHPQALALPLATEGAECLNVDDQDEGSFVTQBPB LASGGGSGGVGKKEQLSVKLEVVLFALCCNTEQAAEHFRNPQ RRIRRWLRRFQASQGENLEGKYLSEAEKLAEWVLTQREOQLP VNEETLFPQATKIGRSLGGFKISYEWAVRFLRHHLTPHARRA VAHTLPKDVANAGLIDFVQRIHQDLPLSMIVADIBISLFL DTEVLSDDDRKENALQTVGTGEPWCDVVLAILADGTVLPTLVFY RGQMDQPANMPDSILLEAKESGYSDDEIMELNSTRVWQKHTAQ RSKMLVMDCHRTHLSEEVLAMLSASSTLPAVVPACSSKIQPL

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			DVCIERTVKNFILHKGKKEQAREMADTACDSVLLQLVLVWLGEV LGVIGDCPELVQRSFLVASVLPGPDGNIINSPTRNADMQRELAS LEEQLKLSGRHSRSTTPRPRSSPRETIEPSLHQLPBGSESTES PYGFEEADLDLMEI
6134	2	4256	PVHGSMADTDLFMECEEELEFPWQKISDVIEDSVVEDYNSVDKT TTVSVSQQPVSAFVPIAAHASVAGHLSTSTTVSSSGAQNSDSTK KTLVTLIANNNAGNPLVQOQGGQPLILTONPAPGLGTMVTPVLIR PVQVMQANHVTSPPVASQPIFITTTQGFVVRNVRPVQANMQVG IVLNVQOQGTVRPITLVPAAGTQPVKPTVGVQPVFSQMTFVRPG STMPVRPTINTFTTIVIPATLTIESTVPSQSQSQKSTPSTSTTP TATQPTSLGQLAVQSPQGSNQTTHPKLAPSPFPSPAVSIAFPVT VKRPGVTGENSNEVAKLVNTLNTIPLSQSPGFPVVVSNSSAH\ GSQRTSGFPSSMKVTSSI PVFDLQDGGKICPCNQAQFRVTEAL RGHMCYCCPEMVEYQKRGESLDSEPSVPSAAKPPSPKTAIPVAS /THPSSTPIPALSPPY/TKVPEPHENVGDAVQTKLIMLVDDPHY GRDGGKVAQLTNFPKVATSPRCPCCTRLKNNIRFNMNMKHHVE LDQONGEVDGHTICQHCYRQFSTPPQLQCHLVNHSFYESTTKC KICEWAFSEPLFLQHMEDTHKPGEMFYVQVQVYRSSLYSEVD VHFPMIHEDTRHLLCPYCLKVFENGNAFQQHYMRHQKR\NVYH\ CNKCRVQFLPAKDKIEHKLQHHKTRFKPKQLEGKPKGTKVITRA SRGQPRTPVPSNDTTPSALQBAAPLTSSNDPLFVFLYPPVQRS IQKRAVRMSVMGRQTCLECSFRI PDFFNHFPTTVHCSLCRYST CCSRAYANHMINDNVPRKSPKYLALPKNVSGIKLACTSCTFVT SVGDAMAKHLVFNPSHRSSSLLPRLTWIAHSRHGQTRDRVDR NVKNNYPPPSFTTNKAATVKSAGATPAEPSELLTPLAPALPSPA STATPPPTTHPQALALPPLATEGAECLNVDDQDEGSPVTQSP LASGGGGSGGVGKKGQLSVKLRVVLPAICNTQQAHEHFRNPQ RRIIRWLRRFQASQGENLEGKYLSEFAEKLASVLTQRBQQLP VNEBTLQKATKIGRSLEGGPKISYEMAVRFLRHHLTPHARRA VAHTLPKDVAAENAGLFDVQORQHNDLPLSMIVADIKISLFL DTEVLSSDDRKENALQTVGTGEPWCDVVLAILADGTVLPTLVFY RGQMDQPANMPSILLBAKESGYSDDEIMELNSTRVWQKHTACQ RSKGMVMDCHRTLSKEVLAMLSASSTLPVVPAGCSSKIQPL DVCIERTVKNFILHKGKKEQAREMADTACDSVLLQLVLVWLGEV LGVIGDCPELVQRSFLVASVLPGPDGNIINSPTRNADMQRELAS LEEQLKLSGRHSRSTTPRPRSSPRETIEPSLHQLPBGSESTES PYGFEEADLDLMEI
6135	2	4256	PVHGSMADTDLFMECEEELEFPWQKISDVIEDSVVEDYNSVDKT TTVSVSQQPVSAFVPIAAHASVAGHLSTSTTVSSSGAQNSDSTK KTLVTLIANNNAGNPLVQOQGGQPLILTONPAPGLGTMVTPVLIR PVQVMQANHVTSPPVASQPIFITTTQGFVVRNVRPVQANMQVG IVLNVQOQGTVRPITLVPAAGTQPVKPTVGVQPVFSQMTFVRPG STMPVRPTINTFTTIVIPATLTIESTVPSQSQSQKSTPSTSTTP TATQPTSLGQLAVQSPQGSNQTTHPKLAPSPFPSPAVSIAFPVT VKRPGVTGENSNEVAKLVNTLNTIPLSQSPGFPVVVSNSSAH\ GSQRTSGFPSSMKVTSSI PVFDLQDGGKICPCNQAQFRVTEAL RGHMCYCCPEMVEYQKRGESLDSEPSVPSAAKPPSPKTAIPVAS /THPSSTPIPALSPPY/TKVPEPHENVGDAVQTKLIMLVDDPHY GRDGGKVAQLTNFPKVATSPRCPCCTRLKNNIRFNMNMKHHVE LDQONGEVDGHTICQHCYRQFSTPPQLQCHLVNHSFYESTTKC KICEWAFSEPLFLQHMEDTHKPGEMFYVQVQVYRSSLYSEVD VHFPMIHEDTRHLLCPYCLKVFENGNAFQQHYMRHQKR\NVYH\ CNKCRVQFLPAKDKIEHKLQHHKTRFKPKQLEGKPKGTKVITRA SRGQPRTPVPSNDTTPSALQBAAPLTSSNDPLFVFLYPPVQRS IQKRAVRMSVMGRQTCLECSFRI PDFFNHFPTTVHCSLCRYST CCSRAYANHMINDNVPRKSPKYLALPKNVSGIKLACTSCTFVT

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			<p>SVGDAMAKHLVFNPSHRSSSILPRGLTWIAHSRHGQTRDRVHDR NVENMYPPSPPTNKAATVKSAGATPAEPEELLITPLAPALDSPA STATPPTPTHPQALALPPLATEGABCLVDDQDEGSFVITQEPF LASGGGSGGVGRKEQLSVKILRVVLFALCCNTBQAEHFRFPQ RRIRRLRFQASQGENLEGKYLSPAEKLAEMVLTQRBQQLP VNEETLPQKATKIGRSLGGPKLSYEMAVRPHLRHLTPHARRA VHTLPEDVARNAGLFIDPVQRIHQDLPLSMIVAI DRLSLFL DTEVLSSDDRKENALQTVGTGEPWCDVLAAILADGTVLFTLVFY RGQMDQPMMPDSILLAKESGYSDDREIMELSTRVWQKHTACO RSKGLVMDCHRTHLSEEVLANLSASSTLPVVPAGCSSKIQPL DVCIKRTVKNFLLKKWKEQAREMADTACDSVLLQLVLVWLGCV LGVIGDCPELVQRSFLVASVLPDPGNINSPTNADMQEELIAS LREQLLKLSGRHSESSTPRPRSSPRETIRFESLEQLFEGESRTBS FYGFREADLDLHEI</p>
6136	1704	539	<p>FGVRMALBGMKRRKREVSQOENPDGVRGSPPEYRLGQVAS SLPFGHEHHRGGTGRILASLFSSLEPQIQFVTVVPVK\ESALASA DLKEELHQKQGGQRKNSQPGVAVADRKILLDTEDTVVSQRKIQ INQEEERLKRERTVFGNLFVTCNKKLKSFFKYGQIESVFR SLIPAGTILSKLAAIERKIHFDQKINAYVVFKESSAATQALK ENGAQIADGFRIEVDLASETSSRDRSVFVGHLPYKVHESATEK HFLDCGSIAMVRIVRDKMTGIGRQPGYVLFEDTGVHLALKLN SELMGRKLVRMREVNKEKFRQONSNPRLKNVSEKPKQLNFTSKT AEGHPKSLFIGEKAVLLKTKRQKQKSKRPRKQKQK</p>
6137	141	2656	<p>RALRRRCGPGERGAIGSGPGPQRRPGRVPERPAPPFRKXKPG MMMLIVAMCLA\LLGLPGKQQLQGHVS\IILAGEQLGLAKK YLWQG\LFQLYLDEAGRGHSFSFHGAAL\TAPKQGGELMAKLES LSCPDMAPSHCAEHKQPLQLSQYRQLKTAEDYQALNKDIEAQ LQHAGLREAGGIYPFSVPPFAYEDIARNINSSCRPGGAWLRVV LEKQPGHDHPSAQQLATELGTFFQREMYRVDIHLYGKQAVAIQIL PFRDQNRKALDOLNRRHVERVETIMKRTVDAGRTSFYKRTGV IRDVLQNELTEVLTIVAMBLPHNVSSARAVLRHKLQVFALEGL QRGSVAVGQYQSYSEVQVRELQKPSFHSILTPFAGVLVHIDNL RWEGVPTILSGKALDERVGYARILFKNOACCVQSEKHNAAQS QCLPRQLVPHIGHEDLGSPAVLVSRLFRPSPSSWKEHGGPPG LRLFGSPLSDYYAYSVPVREDAHSVLLSHIPHGRENFPTITENL LASNNPMTPLRLSLAHPKAPLYPGAENGRLDFFPSGRLFFS QQQFBQLVPGPGPGMPDFQVLRKYRESSLVSAWSEELISKL ANDIRATAVRAVERPGQPHLALSGGSSPVALLPQQLATAHYGFPW AHTHLWLVDERCVPLSDPRSNFQGLQAHLLQHVRIPTYNIB\AM FVHLQQLCAEEDQGAHTYARRISALGANSSFDLVLLGKADGH TASLFPQSPGTLDGEQLVVLTTSPSQPHRRMSLSLPLINRAKV AVLVNGRMKREITTLVSRVGHBPKEPISGVLPHSGQLVWYNDY DAFLG</p>
6138	4587	934	<p>EFSEKLTDRWQNAVQGVQRKGDVDGLVRQWQDFTTSVENLFRFL TDTSHLLSAVQGERFSLYQTRSLIHELKXELHPORRTTCAL TLRAGRELLITDLETKESVGRRI SQLQDSWDMEPQLAEMIKQ FQSTVETWDQCEKKIKELKSLQVLQCAQSEDLPELHEDLHNRK ELIKELEQSLASWTONLKKLQTNKADLTREVLVEDVMVLKQIE ELHRCWEDLCRLVARIKQRIEDRLNTWVVFHKKKELCAWLVM ENKVLQTADISIEEMIERLQKDCMESINLFSKKLQLEKMGDOL IKASNKSAAEIDDKINKINDERWQHLPDVIGSRVKIKETPAFI QQLDKNMSNLRTWLARIESELSEPVVYDVCDQSIQRRLAQOD LQDIEQHSAGVESVFNICDVLLEDSDACANETECDSIQOTTBS LDREWRNICAMSMERMKIETWRLWQXFLDDYSRFRDWLKSAB RTAACPNSEVLYTSAKEBLKRFPAFQRIHERLTQLELINEQY RRLARENKTDASRLKQMVHEGNQWQNDLQREVTAVLRRLRHT</p>

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			NQREBFEGTRESILVNLTEMDLQLTNVERFSESADDDKMRQLNG FQOEITLWTKIDQLIVFGESLIORSEP\LDVAVLIEDKLELHR YQOEVFGRVSRFPHRLTSCPTGLEDEKKEASENETDMEDPREIQT DGNRRGRGSEKPSQSLCHLVAPGHERSGCETPVSVDS\IFLE WDHTGRRGGPSSSH\EEDEEAQYY\SALSGKSIDGSHWVFDG PSCPRHHTYKMEGDERVPPVPASSTPYKPPYKILLPPGTDGG KEGPRVLNGNPQREDGGLAGITEQQSGAFDRWENIQAQEL\ENK LKIKQBLQQLNSDI SAITTWLKKTEAKLEMLKMAKPPSDIQIE LRVKRLQBLKAFDITYEALVSVNVSSKEPLQTESPSTELQSR LRQLSLLNEAAGAVDSNRGGLRQSLMQCQDFHQLSONLLMLA SAENRROKAVHTDPEADPRALLECRRELQLEKELVERQPQVDM LQETISNLLIKGHGECIEABEKVHVI\BKLEKQLEQVSDLM ALQGTQNPASPLPSFDEVDSDQPPATSVAPAPRAQFPAVRTTB GEEETESRVPGSTRPQRSPLSRVVRALPLQLLLLLLLACIL PSSEEDYSCTOANNP\ARSFYFPHLYTNGPPPT
6139	52	1131	IGDWVMSRTGVLPTPTSVLRARARGPCPTDSKMAIPRLREGR TEERRPWEASSWTKL/LAGNIGGAASVIVGHPLDTVKTRIQAGVC YGNLTLSCIRVYRRESMFQFKCMSPLASIAVYNSVVFQVSN TORFLSQHRCGEPEASPPRTLSDLLASNAGVVSGLGGPVDL IKIRLQMQTPPVSGRQPRFEVQGGGCG\BPAYQGFVHCITTV RNEGLAGLYRGASAMILLRDVPGYCLYIPYVFLSEWITPEACTG PSPCAVNLAGGAGAGISWGTATPMDDVVRSLQADGVYLNKYGV LDCISQSYQKEGLKVFFRGITVNAVRFPMASAMFLGYELSLQA IRGDHAVTSP
6140	694	136	RPELELMRLSRSWRPLGVPRRCHRRNWKEPVRAQPLSVTVWAP RCQRP/QPPAPEPSSPNAAVPRAIPTPRAAASAALEPLGPAPV SVAPQARARASTPGPAGSRLGPETFRQRFQPRYQDAAGPREA FRQLREL/SPRQWLRPDI\RTKBO\IVEMLVQEQLLATLPEAAR ARRIRRRITDVRITG
6141	2	984	AQVQPRSRPCMKPLKLGKKKAKSKETAGLVESEPTGAGGGSLS ASRAPARRLVFHAQLAGSATGRVEGFSSIQELYAQLACAFRIS PSEILLYCTIATPCKIDMERLLGGQLGLEDFIAHVKGIEKEVNY KSKDSILGLTITONGVGYAFIKRIKIDGCVIISVETICVGDHIESI NGENTVGNRHYDVAKKLELKKELPTMKLIBPKKAFRIELRSK AGKSSGKKICGGRATLRLSKGPATVEEMPSTRAK\ATEKIDD VLELYMGIRDIDLATMPFAGKDEKVPDEFAVALDETIGDFAPP DEPVFDVNGVIGDAKRRGL
6142	116	602	BABGEQVCGAKCCGDAFHVNRREERTARIGPGVMESKEERLNN LIVENVQENDEKDKKQVANKGEPLALPLVSEYCVPRGNRRR FVRQPILOQRWDIMHRLGEPQARMRENNMERIGEEVRQLMBKL REQLSHSLRAVSTDPFHHDHDEFC\LMP
6143	2802	270	FRMRIPLHCPWQMMKIWNLLSTSLSCAHLSTQKLLKER\Q \QLFVFHEDSIVETLKRHRVVVVGAGET\GSGKSTQVPHFLLED LLNNEWASKCNVCTQPRRISAVSLANKVCDLGCENGPGGRN SLCGYQIRMESRACESTRLLYCTTGVLRLKLRDGLLSNV/S FTVDEV\HRR\SVQSDFLILKELILQKRSDLHLIIMSATVDSE KFSTYPTHCPIRLISGRSYFVEVPHLEDILBETGFULEKDSYC QKPLEEEBEVTINVTSKAGGIKKYQHYIPVQTAHADLNFYQK YSSRTQHALIYMNPHKINLDLIELLAYLQKSPQPRNIBGAVLI FLPGLAHIQQLYDLSNDRFYSEYKVIALLHSILSTQDQAAAF TLPPPGVRKIVLATNIAETGITIPDVVFVIDTGRTEKNKYHSS QMSLVETFVSKASALQGRAGRVRDGFRCFRMYTTRERFEGFMD YSVPFILRVPLEELCLHIMKCNLGSPEPLSKALDPPQLQVISEN AMNLLRIGIGACHWEPKLTPLGQHLAALPVNVKIGRMIFGAI GCLDPVATLAAVMTRESPPTTP\GRKDEADLAKSALAMADSDHL TIYNAYLGWKKARQEGGYRSEITYCRNPLNRTSLTLEOVQRB

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			LILKLVRAAGPSSSTTSTSMENRASQTLSFQRLALLKAVLVAGL YRNVGKI IYTKSDVTEKLACTIVETAQGAQVHPSSVNRDLQTH GNLLYQEKIRYARVYLRETTLTITPFPVLLFGGDIQVQRRRLLS IDGWIYFQAPVKIAVIFKQLEVLIDSVLRKKLENPMSLENDKI LQILTELKTEFN
6144	1289	568	SGPGSMGQORVDKVMVLGKEYVQKTSILVERVYVHDFVLVGPYQN VSASGGARHGGGSGGPVICTTGPDLFPLVA\TIGAAFAKVMVS VGRVTVLGIWDTAGSEREYANSRIYYRGAKAAIVCYDLTDSSS FERAKFWVKELSLREGCQIYLCGTSKSOLLERDRRRRVDFHDV QDYADNKAQLPFTSSSTGQSVDLQFQVARDYVSVAAPQVMTB DKGVDLQCKPNFYFYSCHH
6145	1109	196	GGMDLSLERDNTGRCRLSSPVPVAVCRKEPCVLGVDEAGRCFVL GPMVYAI CYCPLRLADLEALKVADSKTLLESRRERLFAKMDT DFGWALDVLSPNLISTSMLEKVKYNLSLSDTATGLIQYALD QGVNVTQVVDITGMPETIQARLQSPFGIEVTAKADALYPV \VSAASICAKVARDAQVKKQFVEKLQDLDTDYG\SGYPNDPQD /TKAWLKEHVEPVF\GFP\QFVRP\SWETAQTI\LEKEAEDVIR KDSASENQEGLRKTTSYFLNBSQARPSSEHYFLERGLBSTTS L
6146	428	781	LKKKGKKEKAAQQVEALPGPSLDQWHSAGKEEDGPVLTDEQKS R/YPGHRAHQGG\WDARQSIIRKVVDPETGRTRLIKGDGBVLB EIVTKERHRSINKQATRGDCLAPOMRAGLLP
6147	1	2304	GTRQLPPSPGSGPGDSPEGPEGEAPERRRIKAGMLKLYYGLSE GRAAGRPAQPDPLDPTDLNGAHFDPFVYLDKLRRECPALQLMDS ETDNVQRIRALDSMDQTLVYENYNKFI SATDTIRMRNDPRMB DEMDRLATNMAVITDPSARISATLQDRHERITKLAVHALLRKL QFLFELPSRLTKCVELGAYGQAVRYQGRAQAVLQYQHLPSFRA IQDDCQVITARLAQQLRQRFREGGSGAPEQARCVELLLALGEP AERLCEFLAHARGRIKKELRNLEALGSPSPAPDVLKFTDHG\S SGPVGLGQVAAAYQRLPAAQEPAGAKLAAPARQIGSRYFALV ERRLAQKQGGGNSLLVRALDRFHERLRAPGALLAAAGLADAAT RIVERVARERLGHHLOQLRAAPLGCCLTDVROALAAPRVAGEGP GLAELLANVASSILSHIKASLAHVLTAKESVSPSNKPYFROEP CSQGVREGLIVGFVHSNCTAQSFCDSPEGRGGATPPALLILLS RLCLDYETATISYILTLTDEQFLVQDQPFVTFVSTLCABARETA RRLTLHYVQGLVISQMLRKSVEVDWLSLEPRNVRVAVMKRV VEDTTAIDVQVLPRLAGVALTQAGTVPSRGAGAAEDHNSLPG GDMCINASEGASSVARASVRRPQGNKSFRMNTERRAGECLCPRS CSFSAQDYDIFADILPVEERLQVTVQEVRAGLVVLKIRPQTNS CILPLPHSTGINSNDHVPTK
6148	3056	353	VPAVGGTADGAMGEARKFHYTYSCLDINVQLXIGSLBGRREQ KSYKAVLEDPMLKPSGLYQETCSOLYVTCQVFABGKPLALPVRT SYKAPSTRNNHNEWLKL PVKYPDLPRNAQVALTINDVYGPGEAV PVGGTTVSLFGKYGMFRQGMHDLKVNPHCRSQMDQKPTKTPGRT SSTLSEDMRLAKLTKAERQGMVVDWLDRLTFREIEMINRS VKRSSNFMVLMCCPRCVKCDCKEYGVYVEKDGDESSPILTSFB LVKVPDPQMSLENLVESKHHNLPRSLRSGPSDHDLPKPYSPRDQ LKNIVSYPPSPKPTTEBQDLVNEFRYYLTNODKALT KILTSVIW DLPOGAQALALLGRHKPMDEDSLELLSSHYNPTVRRYAVAR LRQADDEDLLMYLLQVQALKYENFDDIENGLEPTKKDSQSSVS ENVSNGSINSARIDSSQIIT/SAPFVSSSPPP\ASKTEKVEPDG ENLEQDLCTFLISRASENSTLANYLYWYVIVECEDQDTQQRDPK THEMVLNVMRFPQALLRGDSVRVMRSLLAAQQTFFVDRLVHLM KAVQRESGNRCKKNERLQALLGDNEKONLSDVELIPLPLEPQVK IRGIIIPETATLPSALMPAQLFFKTEDGGKYPVPEKHGDDLRQD QILILYISLMDLLRKENLDLKLTPYKVLATSTKHOFMQFIQSV

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			PVAEVLDTGSSIQNPPKRYAPSENGPNGISAEVMDTVVKSCAGY CVITYILGVGDRHLDNLLLTATGKLPKIDFGYILGRDPKPLPPP MKLAKEMVSGMGQTQSEYQEPKQCTAFILHARYSNLILNLF SLWVDANIPIALALEPKTVKKVQDKPRLDLSDEBAVHYMQSLID ESHALFAAVVEQIRKFAQYWRK
6149	1	1413	RVDPRVRENGTANPIKNGKTSFASKDQRTGKRTSVQGVQKQND ESESDPESDPPSPKSEBEBQDDEVLQGBQGFNDDDTEPENL GHRPLMDSSEDEEEKKSSDSDYBQAKAKYSMSVYRDRSGS GPTQDLNTLILTSADLSSDAVETPKQEPDVFGAVPFFAVRAQQ PQQEKNEKNLPQHRFPAGLEQBEFDVFTKAPFSKRVNVQECBA VGPFAHTIPGYPKSVDFVFGSTPPQPLTSTSKSENEEDLPGLVP FDEITGSQQQKVRSLQKLSSRRRTKQDMKSKNGKRHHGTTPT STKKTAKPTTPTPERARRHKKVGRDSQSSNEFLTISDSKENIS VALTDGDRGNVLQPEESLDPFGAKPFHSPD\LSWHPP\HQGL S\DIRADHNT\VLPGR\PRONSLHGSFHSADVLEMDDFGAVP/F LTELVVQSITPHQSQQSQPV\ELDPFGAAPPFSRQ
6150	372	37	MSNKKVYIDYDVKASIEIEIDEDVMTKGLHQINNFWSDSEYR LNRHGSVLNAVLMLAQHALLIAISSDLNAYGVVCEPDWNGGQ QEGWPPMDGSEGIRITDIDTSGIP
6151	1555	521	DSNQQSVSGTAASTLLHSFKATIIYQGTGHVQGYGVTSFYEQT TPIVQSYAQSLQYIQGQQIFTAHPQGVVQPAVAVTIIVAPG QPQPLQFSENVVITNLLDLPSPSPKPKTIIVLPNNWKTARDPEG KIIYYBVTITQTQNDPPTWESFGDDASLPEAEMLGTPTIDEN PMK\ASKKPKTAEADTSSSLAKSKRVFRKMSQFIVQCLNPFYR KPDCKVQ\RIITTTEDFKHLARKLTHGVMMKELKYCKNPE\DLBC NENVKHKTKYIKKYNQKFGAVYKPKEDTEFRTVTVGPGWEDGWS GKTDSEKRSKSGPPFCSTPVSTVLLMIHDCRPNPADVN
6152	1366	648	NRTNSTPTSMGVVALPPLCSTGFWPVTRQITARTTCGAVPAKCP PWC/DVHEPRCQPPDCHGHTCVDGHCQCTGHFWRGPGCDELDC GPSNCSQHGILCTBTGCRCDAGWTGSSNCSEBCPLNHHGPGCQRPC KCEHHCPDPTKGNCSVSRVKQLQPPFATLRAGLSFPTRTAW LALTLALAPLLLSTAANLSLLLSRAERNRRLGDDYAYHPIQEM NGEPLAARKEQPGGAHNPFD
6153	2	3368	GRVGAREPGRAYALLLLLCFNVGSGHLQVLSTRNENKILPKH PHLVRQRANITAPVALLBGEDLSKINPIAKTESDLAEBGLKI TYKYGKITEPPFGIFVFNKDTGKLNVTSLDRBETPPFLITG YALDARGNNVKKPLSLRIKVLINDNEPVFTQDVVFGSVERLSA AHTLVKINATDADEPNTLSKLSYRIVSLEPAYFPVYLNKDT GEIYTTSVTLDRREHSSYTLTVBARDGNGEVTDKPVKQAVQVIR ILQVNDNI PVVENKVLBNVBNQVNVVTRIKVPOADEIGSDN WIANFTFASGNEGYPHIEFDAQTNBQIVTLIEVDYEBENLD PSUIVANKAAPHSIRSKYKPTPIPIKVKVKNVKEG IHPKSSVI SIYVSEMDRSSKQIIGNPQAFDEDTOLPAHARTVKLEBDNDW ISVDSVTSBILKALPDPESTRYVONGTTTVKIVASIKDYPRKI TGTVLINVEDINDNCVTLEHPVQTI CHDAEYVMVTAEDLDGHPN SGPPFSFVIDKPPGMAKONKIAORSTSVLLQOSEKKLGRSEIQ FLISDNQGPSCEKQVLTITVCEVLHGS\GCREAQHDSYVGLGP AAIALMLAFLLLLPLLLLMCHCGKAGKFTPIPGTIBMLHP WNNEGAPPEDKVVPSPFVVDQGGSLVGRNGVGGMAKEATMGSS SASIVKQHEMSEMDGRWEHRSLLSGRATQFTGATGAI\WITE TTITARATGASRDVAGAAAAVALNEEFLKNYFTDKAASYTRED ENHTARDCLLVYSQETESLNASIGCCSFIEGKLDORFLDDLGL KFKTLAEVCLGQKIDINKRIEQKQKPAETETSMNTASHSLCEQTM VNSENTYSSGSSFPVPKSLQENAKAKVTQETVTERSVSSRQAK VATPLEDDPMASRNVIATETSYVTGSTMPPTTVILGPSQPSLIV TERVYAPASTLVQDPYANEGTVVVTERTVIQPHGGGSPLEGTQH

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			LQDVPYVMVRRERSFLAPSSGVQPTLAMPNIAVGQNVTVTRVL APASTIQSSVQIPTENSMTARNITVSGAGVGPPLDPDGLRSGH SNSTITTSSTRVTKRSTVQHSYS
6154	3660	2146	KKRTKQNTLQKTVHFGANPPTISDKSHLLQMVSKLDLTDARN SDTAHKISIRITBILNGLQASRSSAKDSQQRDERGAQMDNNK RESKI DHLTNNENLISKEBONS SLLKENKVHADLVISKPVSK SPERLRKDI EVLSEDTDYEEDEVTEKRDVKKDITDKSSKPKIK RCKRRYCNTECLKTGS PGKQERKAKNKRSLCWNSSNS SSSDED EBETKARMTPTKQYNGLEKKRSLRTTGFYSGFSKVAERIKLL NNSDERLQNSRAKDRKDVWSSIQQGNPKETLKELPSSDSTEAAA SPPHPAPEEGVARESLQTVARESCSPSVLEKPPFVNVDKPI ERKTVEVNDRIKAEFPSSGNSFSA* IPLPYLHLNRLHQSL*QKGS RQSSVTVSEPLAPNQBEVRSIKSETDSTIEVDSVAGBLQDLQS ERE*LASRP*CCCELEQ**SARTRTS*KSLYRSEKSRCSGRRK PIKAKRKP*SSSGEQKEGK
6155	869	121	HLLEPLRGEKSWITMKYVFLVLAGTFFADSSVQKBDPAPYLV YLKSHWPCVGVLIKPSWVLAPAHCTLPNLKVMLEKPKSEVRDC TEQTINPIQIVRYNYSAPSADDLMLIKLAKPAMLNPKVQALN P/PTLNVRPCTVCLLSGLDWSQENSGRHPDLRQNLKAPVMSDR CQRTQGGKSHENSLCVKPKVPSRIPGEVAVATVICDKLQGIT VGHFMQGDVGIITVYKIVSWLENTAKDK
6156	5725	3984	GTSTVIMATKHFPSIILNLGLMLAKKQNDTRKLLMTWALEVAV VMKKS EYAPLFCPLSPFKPKCGLLADTIVRDVNICLQACSSIH ALSSSLPDDLLQRCVDVCRVQLVHRGTICIRQAPGKLLKSIPLGV PLSNNNHTETIQEISLALRSHMSKAPNTFHPQDPSD/VISPILY GNSHRTGKDWLERL*YSCQRLDKRDQSTIPRNLLKTDVILNQW AIWEAAQFTVLSKLRTPFLGQAQDTFQITBGTIRSLAGHTLNPDQ DVSQWTTADNDEGHGNNQLRLVLLQLYLENLELMYNAYEGCAN ALTSPPKVIRTFLYTNRTQCDMLTRILS IMRVGLLAGQPAVT VHGFDLLTENKTSLSQGHELVSIMVVEALCEHLHCPRAIQG LAVMSSSIVGKHLWINSVAQOAEGRFEKASVETOHLCAMTGV DCCISSPDKSVLTLASAGCKSASLKHCLNGESRKS VLSKPTDSS PEVINYLGNKACRCYISTADNAAVQEWQNAIHDLKSTSSSTSLN LEADPNYIKSLSSPESGKPFVCTEQLELLEGENINLAGGSKK IDMKLLRN
6157	946	329	MANRGPSYGLSREVQKKIBQKYDADLENKLVDMIIILQCAEDISH PPGRAHPQRLMDGTVLCTCINSLYPPGQEPPIPKISESKMAFK QMEQISQFLKAAETYGVRTDIPQTVDLNKGKMAAVQRTLMAL GSVAVTDDGCGYRGEPSWFERKQONRRGFSSBQLRQGNVIGL QMGSKGASQAGMTGYGMPRQIM*DAASC
6158	441	1482	LGSLIVLSLCKVTPSSQSLERAMKEKAVDLVPILAQNPOLAQN PILECKDHNQFTGVDPILDHVQDRKD/SRSKSPHKRSKSRER RKSRSRSHSRDRKIDTREKIKKKRVKEDRKKEREREKEREKE KRGKKNDRDKRERKREKDKRERKEREKEREKEREKEREKERE QDKEREKEREKEREKEREKEREKEREKEREKEREKEREKERE RRRRRSRSSSRSPRTSETIKKSSRSPSPSRNKKDKREKERE HISERRERERSTSMRKSNDRDGKRLKRNSTSLKKEKHNKEPD SSVSKEVDDKQAPRTRENKIQHNGNQCINENLSTKTEAV
6159	53	84	AVIAPLHISLGDARPYLKNTEKSSFTCSRRRNQSPFPVMSLTH RLHLCKYWGCAVSNVCRFWGRPLPLMTIVVPYTLVSLPVGSCV IITGTPILLTFVKDPQLEVNFTGMDSDIAFPQRLHFGHPAIM NSCVFGINRYEBKCYLPFEDGKPFELCIYVRHEKYKVMVNGQR IYNFAHRFPFASVKMLQVFRDISELTVLISD*GRCVRIITAVQEP DVSVS CDCTTAYQPG
6160	1626	1790	AGAKPPP*P*KVADAQPTSEKRIYQVNVVLKDAEGILEDLQS YRGAGHEIREAIQHPADERLQERKAWAVVPLVGLKPKPYEPSQR

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			LEAALRGLIGALTSTPVSPTQHLERBQALAKQFASITLHPTLRPD ELKWTNPAIQNDPSYYRRTLSRMRINNVPABGENEVNNELANRM SLFYARATPMLKTLSDATTFVSENKMLPIENTTDCLTSMASVC RVMLSTPEYRSRFTNRETVSFCLVMVGVILLYDEVHPVGAFAK TSKIDMGECIKVLKDQPPNSVEGLNALRYTTKALHDETTSKQI KSMLEQ*QLLTLVNKG
6161	455	1569	PVSGSSSLRRANWISILRLMLGPEVAVSILCRDGIH*ILRRH* KSHVLEPLSSLALEEQCLALSLSWSTGKTGRAGDQPLKTISSDS TQGLELLMVNETRRLQKVASNOAQFPAWIAAFNYMHPPIVYS GGDGGLLRGWDIRVPGKFLPTSKEHTMGVCISIQSSPHREHILAT GSYDEHILLMDTRNMKQPLADTPVQGVWRIKNEPFFHILLAA CNHSGFKILSCQKAMEERQBATVLTSHITLPDSLVIYGADWSWLLP RSLQAPSWSPFENLGTKTADLKGASELPTPCECREDDNDGEGH ARPQSGMKPLTEGMRRNGTINLQATAATTRDCGVNPEADSAFSL LATCSFYDHALHLEWEGN
6162	1	586	RTIHATGRAGASPMHRLIVWRLAEANKQHVRCORCLAFPGHNTYR CTGKRKYLRPSTAKLKALKKRNHLALQQSIGETNVERKAK KERSKSVTSSSSSSSDSSASDSSSEKSTSSSSSDSDTDESS SSSSSSASSTSSSSSDSDSSSSSQ*HQHR*QL*R*TKRE KREKLLASYNIDGLKTLIM
6163	1081	785	RIRSTTEGCAVRLHPTQNTGKARIMILLSVLSGRHWAFTYKPFLL TPVVVFVFFPFVHRKB*VMQKNPMESREDEMMEKLNHLHVRAD MRLIMNYLVTGFKRAARKFRMSGIEPSVDLETDERIKIRE NMLKGIQERAIALINSLHPELLDTNRYLYPHLQQOHLIELIROR ETRAALREFAQTOLAEQGESRECLTEMERLALLAFDPSRESPP GELLHIMQRQKVVSEVNQAVLDYENRESTPKLAKLLKLLLAQN ELQDKKVKYPMOTLSRGVIREPK
6164	90	406	PCQSPGRSRMRQDKLTGSLRRGGRCIKRQGGGVGTILSNVLKRR SCISRTAPRLCTLEPGVDTKLPTLEPSLQNGPQQWYDALK A VARLSTGIPKEWRRKVNLTADHYLHSIAIDWDKIMRFTFNERS NFDSDSMGIQIVKDLHRTGCSYCGQBAEQDRVVLKRVLLAYAR WNKTVGYCQGFNLAALILEVMEGNEGDALEIMTYLIDKVLPS YPVNHLRALSVDMAVPRDLLEMLPELSQHLDTLQRTANKESGG GYEPPLTNVFTMQWFLTLFATCLPNQTVLKNDSVPFEGSHIIL RVSLAIWAKLGEQIECCETADEPYSTMGRLTQEMLENDLLQSHR LMQTVYSNAPFPFQLAELREKYTYNITPPFATVKPTSVSGRHS KARDSDEENDPDDDAVNVAVGCLGPFSGFLAPELQYQKQIKE PNEEQSLRSNNIARLSPGAINSCRSEYHAAPNSMMERMITDIN ALRRQYSRIKKKQQQVHVVYIRADRGFVTSILPSQVNSSPVIN HLLGEGKQMTNRAAKNAVIHIPGHTGGKISPVYEDLKTILNS PWXTHIRVHKRMPTKSHPCGDTVGLIDEQNEASTNGLGAA RAPPSGCTATAGREGSSPEGSTRTTIBGQSPKPVFGDADVDVSA VQAKLGALRLNORDAAATELRVHPQCQRHCPEPPSAPENEAT SKAPQGSNSKTIPIPSPPFSVEPLRKSATARNLGLYOPTERTPTV HYPQMERSPSKPGGNSGP*IMVFSSTMLSRQLPGYPOBYQRN GGERFG
6165	90	406	PCQSPGRSRMRQDKLTGSLRRGGRCIKRQGGGVGTILSNVLKRR SCISRTAPRLCTLEPGVDTKLPTLEPSLQNGPQQWYDALK A VARLSTGIPKEWRRKVNLTADHYLHSIAIDWDKIMRFTFNERS NFDSDSMGIQIVKDLHRTGCSYCGQBAEQDRVVLKRVLLAYAR WNKTVGYCQGFNLAALILEVMEGNEGDALEIMTYLIDKVLPS YPVNHLRALSVDMAVPRDLLEMLPELSQHLDTLQRTANKESGG GYEPPLTNVFTMQWFLTLFATCLPNQTVLKNDSVPFEGSHIIL RVSLAIWAKLGEQIECCETADEPYSTMGRLTQEMLENDLLQSHR LMQTVYSNAPFPFQLAELREKYTYNITPPFATVKPTSVSGRHS KARDSDEENDPDDDAVNVAVGCLGPFSGFLAPELQYQKQIKE

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			PNREQSLSRNNIAELSPGAINSCSEYHAAFNNSMMERMTTDIN ALKRQYSRIKKRQQQVHQVYIRADKGPVTSILPSQVNSSPVIN HLLGKKOMENTRAAKNAVIHIGHTGGKISPPVYEDLTKLNS PWRTHIRVHKHMPRTKSHPGCGDTVGLIDEQWEASKTNGLGAA EAPPSGCTATAGREGSSPEGSTRETIEGQSPEPVGDADVDVSA VQAKLGALELHQDAAATELRVHPQQRHCPEPPSAPBENKAT SKAPQGSNSKTPIFSPFSPVKPLRESATARNLGLYGPTRPTTV HPTQMSRSPSPKPGKNSGP*RMVFSSGTMLSRQLPGYQBYORN GGERFG
6166	2	1206	HKLWRTVAMAGAEMKSLRECELEKHLPLDQEVKRVLYGKELRK LDLPREAFEAASREDPELQGYAFEAEEQLRRPPIVHVGLVQNR IPLPANAPVAEQVSALEHRIKATVEVAAMCGVNIICFQANTMP FAPCTREKLPWTEFASAEADGPTTRFCQKLAKNEDMNVVSPILE RDESHDVLMTAVVISNSGAVLGKTRKNIHPRVGFNESTTYM EGNLGHPVFTQPGRIAVNICYGRHHPINWLMYSINGABIIFNP SATIGALSESLNPTEARNAATANHCTCAINRVGTEHPNEFTS GDGKFAHQDPGYFGSSYVAAPDSSTPGLSRSDGLLVAKLDEL NLQQQVNDVWNPMTGRYEMTARELABAVKSNYSPTIVKE*PAS VPALG
6167	1220	1844	YGIIVTGPSLCAGDKQPKRQERNPVLVSPEFVDEALCACREYLSN LAEMDIDKLEAPLYLTFEGWSLFLQRYQVVEGAELEHLDTO VQRCEILQQLQAVVPQIDMEGDRNIWIKPGAKSRGRGIMCMD HLEMLKLNVGEPVVMEDGKNVQKYIERPLLI FGTPDLRQWF LVTDNPLTVWFYRDSYIRFSTQPFSLKNDK*APLYLTFEGWS LFLQRYQVVEGAELEHLDTOVQRCEILQQLQAVVPQIDMEG DRNIWIKPGAKSRGRGIMCMDHLEMLKLNVGEPVVMEDGKNV VQKYIERPLLI FGTPDLRQWF LVTDNPLTVWFYRDSYIRFST QPFSLKNDK
6168	84	1392	VNPFVPSVSAAMPFKKQAGGSKKABQKKKEKIIBDKTFGLKNNK GAKQKFKIKAVTHQVKGQONPQVQAQSEAKKIKKDDKKKRLQ KLNKLKPVVAAQKLSKGDAPKSVVCAFPKQGCCTGDKCKFSH DLTLERKCKRVSVIDARDELEKDTMDNWEKKLEEVNKKKG EABKKPKTQIVCKHLEAIENNKYCNFWVCGGGDI CMYRHAL PPGFVLKKKKKKKKRDRI SL*DLIERERSALGPNVTKITLESF LAWKKRKRQEKIDKLBQDMERRKADPKAGKALVISGREVFEPFP ELVDDDERADDTRYTQGTGGEVDSDSVNDIDLSLYTFRDVD ETGITTASLERPSTYTSDDKENKLSBASGGRAENGERSDLREDN EREGTENGAI DAVPVDENLFTGEDLDLEKEELNTILOEE
6169	112	662	APAAAMAEKRPDLNLPNAVITRIYKALPGVNTISKARSISR AASVFLYATSCANNFAMKGRKTLNASDVL SAMKEMEPQRPVT PLKALEAYREBQKKBASBQKKRDKDKITDSEEDKSRDEDN DEDEKRLEREBQNEEBEVDN*KGRETVPWKVPLEMRRATCPCE APPCMAE
6170	62	667	STRVMLPNTGRLAGCTVFTTGA SRGIGKALAKAARDGANIVIA AKTAQPHPKLIGTIYTAABEIEAVGGKALPCIVDVEBQQISAA VEKAIKFGGIDILVNNASAI SLNTLDTPTKRLDLMNVNTRG TYLASKACI PYLKSKVAHLPNISPPLELNPVWFKQHCGRW*VV G*GDGLCLICFELNLCMSDVITICT
6171	382	941	HFMQSDVELDCDIBPCGHTKFPPTLPLSTTVIVCSCHPVATAST MAEAFSEKTTSEEDQSIQBPKEANSMTAQKQK*GLRGSRRRHAN SGGDI FGDSFAAYFPRLVQVHQALSLSQEAVSVMDSMVRDILD RIATEAGHLAHYSKCVTITSRDIRMAVCILLPGRMGLAESQGT NATLRYTKSK
6172	651	54	GLCRAGGAHRFSRTHVEAALKMLRREARLEREYLYREARBEAQR SAQERKRLKRALEENRLIPTELRRALALQGSLEFDAGRGCV TSHVDEYRWAGVEDPKVMIITTSRDPSSRLKMPAKHLKLVFPGA

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			QRMNRRGRHEVGALVRACKANGVTDLVVRHRRGTPVGLIVSHLP FGPTATPFLCNVVRHDIPDLGTMSEAKPHLITHEFSSRLGKRV SDILRYLPFPVKKDSHRVITFANQDDYISFRHHVYKCTDHRNVB LTEVGPRPELKLNYIRLGLTLQEATADVEWRNHPYTNTARKRVF LSTE*AAAPRPLGQLL
6173	3	288	SVDHREVSQVLSQSMPLTPHQAVLRGRRPYMVCROGKCPGRSSHL LQHQRIHTGEEKPYVCSVCGKAFPSQSSVLSKERTIHTGEEKPYBCN ECGKAFRVSSDLAQHKKIHTGEEKPHECLECKEAPTOLSHLIQHQ RIHTGERPYVCPLOGKAPMHSVTLRSHQVRHTGEEKPHECNECGK TFSVKRTLLQHQRIHTGEEKPYTCSGCKAFSDRSVLQHRNVHT GEEKPYECSECGKTFSEHSTLMMNERIHTGEEKPYACYBCKGKAFVQ HSHLIQHOKVHRKL*PTCVLSVGSALAGVPTSPSISVSTLERSP MCAVYVGRPSARAQSLVNTGQPTQVRSPMSVMSVERKPLE
6174	1060	959	PRPFGKRNWVAGLGNPGLFGTRHSVGMVGLQGLARRLGVASWT RDRHCADIALALAPLGDALVLLPRLMANGRSVARARLFGGL TAEVYLVDHLDKPLGRALALGLGSGARGHGVRSCTISCLNSNA MPRLRVGIGRPAHPEAVQAHVLGCFSPARQELPLLLDRATDLI LDHTRERSQGPSLGP*H*WFSKIA
6175	2204	334	RYPRADPRSHSGQPRABGLGAFABQPLRAMAAPVGNKQSTEG DALDPPASPFPKAPKQNGIQNPISLEDSPGAGGEREEBQREBBO APLVSLYKPMKERHTPIERVPHLGFKQINLMIYKAVEKLGAYE LVTGRRLLKQNVNELGGSPGSTSGATCTREHY*RLVLPPYVRLK GHDDKPLPTSKPRQYKMAKERNGDGATERPKKAKERRMDQM MPGKTADAADPAPLPSQKPPRNSTEQGLASGSSVSFVGASCC PEAYKRLSSPYCKGTHGIMSPLAKKLLAQVSKVEALQCQBBG CRHGARPQASPAVHLPSQSPFGLTENSRRHLTFQEGLOAPGG SLREBAQAGPCPAAPIFKQCPYTHPTVLEKPVSQHPRDFPSRLK DOVLLGPPGKRGSLVKEPQLVNGGDANRPSAFHKGGSREKILYP KPKACNVSPMAKVPASFTLPPTFPSSPGLGSKRSLEERGAHS GKRLRAVSPFLKEADAKGCAKPAQSGLVSLIGPALGFVPPRA YRGTMHCPLNFTGTGPGLEKQALPFSPLVIPAPPAHFLATAG PSPMAAGLMHFFPPTSFDLSALRHRLCPASSAWEAPPVITYAAPHF PHLNTKL
6176	1040	402	PLSALRAMABVHVIGQITIGASGFSSESLFCRMGIHTGAANKLS GVREBQITQVDTFQIGDMAYWSHFIDLHFAKGLQGNPRLHFQVW SQDSFGRCLAGYGFCHVPSPGTHQACPTWRPLGSWRBQLAR APVGGGPQLLHGDTIYSGADRYRLHTAAGGTVHLRIGLLLENPD RYGVEC*GLLPPTSPFSTPRTPTSDGGGWHSGQREHL
6177	1400	992	VPRESLVGKVHNPFLIAPYCCBKKKQPHKSLHDCRCPGRALDPN CSHCYLDQIKRSDPLGFSGYSPHFVAISTSEBHQMPSSMQQAL PSQ*PYWTDPRPALVPCCHSRPDVHRSRPGFGLPGTSGCSDRPP VCPI
6178	1027	254	STORGGIKGVARAASLVGRRRAGTGMAILLCLVCLTAALAHGCL HCHSNFSKQPSFYRHVNFKSWWGDIPVSCALLTOWSDDTMKE LELAI PAKITREKLDQVATVYQMDQLYQGMYPFGYFPNELR NI PRQVHLIQNAIIESRIDCQHRGIFQYETISCHNCTDSHVA CFGVNCBSSAQWISAVQGLLNYINNWHKQDTSMPRESSAPSWPG THRAAPAPLVLPALRCLEPPHLANLSLEDA*CLKQH
6179	806	276	RGETREMAGNLLSGAGRRRLNDWVPLACRSFSLGVPRILIGIRLTL PPPKVVDWNEKRAMPGVYDNIIGLGNFEKHPKELIRGPILWLRG WEGNELQRCIRKRENVGSRMPADDLEMLNKRIRYLYKHPNRHKG FR*KRKLETSEKAHLSMRRRTVLPVVRKRLCIFSVIKNGPFGI
6180	156	1833	DHHLKAASTTHVCARGNTPAIPMTCLC*ATATPSSLEBQN* SHLSLCLPLPATTSGLTNSMIPEKERNIAERLLRVNMCADLGL SVVSGKBPLKLAQTLVDSGARYGAPSVTEILGNFWTIAJQHLPR MYNQVKVKTALGSNACLGIGVTCSSQSVGPDSCYILTAYQAE

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			QNHKSYVLGVKADIRDSGDLVHHWVQVLSFVMSERTVYV TDCRVSTSAFSKAGMCLRCSACALNSVQSVLSKRTLQARSMHE VIELLNVCEDLAGSTGLAKETFGSLEETSPPPCWNSVTDLSLLV HRYEQICEFYSSRAKQNLIQSLNKHLLSNLAAILTFVQAVIE LSNESQPTLQVLPTVYVLEKLTAKANDAGTYSKLCHLFLHAL KENFKVHPAHRKVMILDPQQLRPVPTQEREIIGKVCELINIEV KESWAEBADFBPAKKPRSAAVENPAQEDDMLGNEVYDYLQOE PLFOATPDLFQYNSCVTQKHTLAKLAFWLLAVPAVGARSGCCVN NCEQALLIKRRRLSPEDMNLMLPLKSNML
6181	169	1032	TTTLSPVLPGPRNKPWRERRPMGFLALPFWLQPRYRENYLPI YTLIQCGHSWIFTNMTVRFPSFGKDSWVDTFYAIGLVMLQCQS VSLLELLHIYVGIBSNHLLPRPLQLTERIITLPPVITSQEBVQB KTVVCVLPVFPVNLDMVRYTYSMLSVIGLSYAVLTWLSQTLWMP IYPLCVLARAFAIYQSLPYFESFGTYSKLPFDLSITFYFVLKI YLMMLFIGMYPTYSHLYSERRDILGIFPIKKKKM*STAFQCDTR KDRLNIQCSK*NTGSILVEKPLVF
6182	1769	1224	AS*IDYQNLTLKKEFQLTENFKRLVLTCSLIEDMAAAYFPDCI VRPPGSSVNTFGKLCGLDMFLDLDETRNLNLSNKLGNFLMEPO VNFVPSERIATQKLLSVLCECLDHPGCGCGVQKILNARCPVLR FSGHAGSGPOCDLTNNRIALTSSILLIYIGALDSRVALVFSVR CMARHSITSSIPGAMITNPSLTHMVIFFLQRRSPPILPTLDSL KTLADAEOKCVIEGNNCTFVRDLRIKPSQNTETLELLKEFFB YFGNFAFDKNSINIROGREONKPDSSPLYIQFPFETSLNISKNV SQSQQLQKPVLDLARESAMIQQEDTDRPSSISNRPWGLVSLLLPS APNRKSPFKKSNKPAITVKNLLESLGNRTENPTTSGKRTI STQT
6183	1118	452	HLDRYIKSPGSGSSTPAPPSHLLLYLHPQSTRTWGCCGCSRGCC GSGCGGCGSSCGGCGSGCGGCGSGRGGCGSGCGGCS8SCGGCGS RCYVVPVCCRPVCSWVPACSCS CGSGSGSGGCGSGSGSGGCG GSGCGSQSSCCRPCCSSGCGSSCGSQSSCCRPCCQSSCCVPVC CQSSCCRPCCQSNCCVPVCCQCKI*GSGPRSPGSPCLVKAFLM VP
6184	1	2191	IVTVREHDCAPAVAPPGVVVSRANKRSGAGPGSGGGGARGARE BEPPLQAVLVADSFDRFFPPIKDKQPEVLLPLANVALIDITLLE PLIATGVQSTTFVPCWRAAQIKKHLKSKWCRPTSLNVVRIITS ELYRSIGDVLDRDVAKALVRSDFLLVYGDVTSNINITRALEHR LRRKL*KNVSVMTMIFKSSSPSHPTRCHEDNVVAVDSTTNRVL HFQRTQGLRRFAPPLSLFQGS SDGVVRYDLDLCHLSICSQVA QLFTDNFDYQTRDDFVRGLLVNERILGNQIDMHVTAKEYGARVS NLHMYSAVCADVIRWVYPLTPRANPTDSTTQSCTHSRENIYRG PEVSLGSGSILEENVLIGSGTVIGSNCFITNSVIGPGCHIRPGD NVVLDQTYLWQGVRAAGAQIHQSLLCNABEVKERVTLKPRSVL TSQVVVGFNITLPGSVISLHPFDAKEDDDGEFSDDSGADQEK DKVKMKGYNPAEVGAAGKGYLWKAAGMMEREERELQNLWGLKI NMEERSESESEQSMDSKRPDSRGGSFOMDDIKVFQNEVLGTLQR GKEBNISCONLVLEINSLKYAYNISLKEVMQVLSHVVLFPFLQ MDSPLDSSRYCALLPLLEAWSPVFRNYIKRAADHLEALAAIED PFLEHREALGISMAKVLMAFYQLEILAEETILSWFSQRDTTDRGQ QLRKNQQLORFIQHLKEARESSDD
6185	791	44	PCTSCVLNATLHLPASTRKAPQARCGNISITWQKIGVGTGFG IPFILGTLTYFDSVLLAFGNLLFLTGLSLIIGLRKTFWFPFQR EKLKGTSPLLGGVVIVLLRNPLLCMFLETYGFPSLFGPFPVAF GFLGNVCMIPFLGALFRRLQGTSSMV*RTMSSSLNLDHNLRGAK REWEKPPQSPALTHSPYTPGPPQVQKERNCAEQLTSENQVDSR GCQEAEMQTPRRLGAGWYHTLTLYLWEEK
6186	569	238	VYGDSSNTINTHGAKERNRRLKHHKLCQAQSRLDVNGLAKMA

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			KERKVENKVRNKADTEVFANSPINQKMPTEAILPDSGSGVIS NIRNQMTLHSQPHQKENCFCENSFSLIDLLPDAVEPTSSQOI PNETSEANKERRRNTSSSESNIYSPLTSFTTADSEIHDITKD LEDCLMVGLSTCGDLAPWTLRIPTSNSEIKVCVSGCCTHLLSR EFENQHKERTQRRWCFPMCHYLKERRWCCGRNARMSACIALERV AAGQGLPTESLFYRAVLQDILKDCYITKCDREVGKIYSKCSFP LDTVRRSLKRLGLDESKLPEKIIMNYEYKPKMNELEAFNMLK VVLAPCIETLILLDRICYLEKQEDIAWSALVKLPDPVKSPPCYA VIALKKQQ*PFLKQIIRCISL*DSAGCAEVSVDGGPALRDAP PSGSRVSGEYD
6187	1701	771	DANGPETRLARILNPDSVTEPRPCRLPELEATRPHEPEKASCPA AAPLMERKPHVLVGVTGSVAALCLPLLVSKLLDIPOLEVAVVT ERAKHPYSQDIPVTLYSDADEWENKSRSDPVLHIDLRNADL LLVAPLDANTIGRVASGICINLLTCVMRAHDESKPLLPAPMNT AMWHPITAQVVDQLKAPGYVEIPCVAKLVCDEGLGAMAEVVG TIVDKVKEVLPQSGGPOOS*PGLSVMGVPLYSEWQAKSVEMDV GKIGGYPHLNGGPALSIPRGOACSKLNWTEGPGLSFPQGEAA A
6188	238	1534	KGFVNAGFLMAHLQVSPQMKAFEMSDICLSGHPSA*GPRNASH NIGVPICIRCAIGHNLGVHISRVKSVNLDQWTQEQIQCMQEMO NGKANRLYBAYLPETPRRPOIDPAVEGFTRDKYERKRYMDRSLD INAPRKHKDDKWKRGSEPVFEKLSFVVFEKVMFQKEEDQLP RKSSPKSTAPVMDLLGLDAPVACSTANSKTSNTERKDLILLASV PSPSSSGSRKVVGSMPTAGSAGSVPELNLFPPEPGSKSEIEGKK QLSKDSILSLYGSQTPQMPTQAMFAPQAMAYPTAYPSFPGVTP PNSIMGSMFPFVGVVAQPGAGGVAPMAMPAGYMGGNQASHMG VPNGMHTTQAGYMAAGMAAMPQTVYGVQPAQLQMNLTQMTQM AGMNPYGANMNYQGSMSGGNEQANQTLSPQMNK
6189	1197	793	LQEPGLDCLLIPGDVQQLQMGSEVEPQTGAQGSAAQSVAGSVQL TQLSHARQRPSCQGSQJIALDLQHMDSERQPRWQHVQPVARQVO RAQQAQLABGVAVHLWAGDAVVAEVELLQEVGGGKVFANACOL VVDHEGAHAARQATGHALQRTVIVQVRVQPLRAL*RVPSGLPR RVRAFMLAHNQITGIGERDFATYTFLEKLNLSYNRTTSPQVHRD APKRLRLRLSLDLSGNELEMLPPGLFRNVVVLKVRNHLAALAR GALAGMAQLRELVLTSNRLSRALGPRANVDLAHLQLLDIAGNQ LTIPIEGLPESLEYLYLQMNKISAVPANAFDSTPNLKGIFLRFN KLAVGSVVDSAFRLKHLQVLDIEGNELEFGDISKDRGRLGKKE EEDEDEVEHEETR
6190	66	1309	ILVGNVSFLLSPARTVCNCSVVGSLFVNRCNOTTGQCECRPGYO GLHCETCKEGFYNTYSGLCQPCDCSPHGALSIPCNSSGKQCK VGVIGSIDRCQDGYGFSKNGCLPCQCNRSASCDALTGACLN QJENSIGNHCCECKEGFYQSPDATKECLEPCSAVTSTGSCSIK SSELEPECDQCKDGYIGPNCNKGNGYTNFDSICRQOCHGVY PVKTPKICKPESGECINCLNITGFWCENCL*GYVHDLGECIK KVILPTPEGSTILVSNASLTSVPTPVINSTFTPTTLQTI FSVS TSENSTALADVSWTQFNI IILTVIIIVVLLMGFVGAVMYR YQNRKLNAPPWTIELKEDNISFSSYHDSIPNADVSGLEDDGNE VAPNGQLITLTPIHNYKA
6191	1212	1511	VNLCHGGLLHLSTHHLGKPEMH*LPFLMLSFPHLTPQPKCPSP MIDWIKKIWIYITMEYYATTIRNBMFFAGTWMEBAIILSKLM QDYMPSLISGS
6192	3	950	TRGCGNMGAGKKNVLSLAVYAEDESEPESDGEAGIEAVGSAAE KGLVSDAYGRDDPSRLGGDEGYERREDENSRQSEDDDSERK PRADDPKDNTAEKRDQRLVASFSRVRNMSFDEIKIPRPPG RCSNHLQDKIQLYERKIKGMDMNYIIQRKKEFRWPSIYEKLI QFCAIDELGTNPKDMDFPHGWSSEDSYRALAKAQKIBMDKLEK

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			AKKERTKLEFVTGTFREGTTTATSTTTTASTAVADAQKRKSKW DSALPVTTLAQPTILTTTATLPAVVTVTTSASGSKTTVISAVGT IVKKAQ
6193	3	950	TRGCGNKMGKKNVLSLAVYARDSEPSDGEAGIEAVGSAARE KGLVSDAYGEODPSRLGGDEGTYEHEDEMSRQSEDDDSSTBK PRADDPKDNTAEKRDPOELVASPSERVVMSFDRKTPPEPPG RCSNHLQDKIQLYERRIKGMDMYIIQKKKPRNPSIYKLI QPCALDELGTNYPKMFPDPSGSEDSYALAAQKIEMDKLEK AKKERTKLEFVTGTFREGTTTATSTTTTASTAVADAQKRKSKW DSALPVTTLAQPTILTTTATLPAVVTVTTSASGSKTTVISAVGT IVKKAQ
6194	3	950	TRGCGNKMGKKNVLSLAVYARDSEPSDGEAGIEAVGSAARE KGLVSDAYGEODPSRLGGDEGTYEHEDEMSRQSEDDDSSTBK PRADDPKDNTAEKRDPOELVASPSERVVMSFDRKTPPEPPG RCSNHLQDKIQLYERRIKGMDMYIIQKKKPRNPSIYKLI QPCALDELGTNYPKMFPDPSGSEDSYALAAQKIEMDKLEK AKKERTKLEFVTGTFREGTTTATSTTTTASTAVADAQKRKSKW DSALPVTTLAQPTILTTTATLPAVVTVTTSASGSKTTVISAVGT IVKKAQ
6195	736	235	VANGLSNMKPFVCDYCTYLTNDSPSVRKTHCSGRKHEKENVKQ YYQKMEBQAQSLIDRTTAAPQOQKIPPTPPSAPPAGAMIPPP PSLPGPPRPGHMPAPHNGOPPMMPMGPPPPGMPVGPAPGMRP PMGGMPPMPQPPMPRPPARPPMPVTRPGMTRPDR
6196	1512	623	KTGKRRSAAYVENILNABQVISNLEARNLGPRLTFLQBEDSH QRLLMGLMVSLEKDHPLRHLOQVEKKIEQNVLDYISKLLDLIC HIVBTNNRKNLSWVLLHNSRGSAAEFVAFVHIMTRILEATNSL FLPLPPGPHLTILGVCPLPLNLLHCIDSGVILLTETAVIRL MDLDNTERKNEKLPSTIVRLPPLIGQKICRLWDHPMSNIIISR NHVTRILLQNYKQPRNSMDNKSFSVPLPIYPIEILTDIES NQALYPPEGHINVDAREFVEAALKHTAMLLGL
6197	3	819	ADPEGTEZAVMSYTRFPSTSLFIRNVADATRPDLRREFGRYG PIVDVYILDFYTRRPFAYVQPEVDRAEDALYNLRKWVCG RQIRIQPAQGDRTTQCKSKRRHPCSPSDEHRSRSPSQRRTRS RSSWGRRNRSDSLKESRRRPSYEQSKRSKSLPRRSTSAQ SRTPRRNGSGRGRSRKSLQKRSKSIKESQSSSPQRTSSTGYS RSHGRHSDIARSPCSPSTTTFPTKVQTAHSHFRSHSRRS YRHKNSW
6198	111	1912	SRAALSPTSFPACFLRLPALEDGTLPHPDILGMNYEGARS RENHAADDSEGGALDCCSERLPGLPQPIVMEALDEAGLQDSQ REMPPPPPPSPSDPAQKPPPGAGSHSLTVRSSILCPAASQFL LACGVLMFSGYHIWQNTNLVSSLLTLKQLEPTANLDSGTW GVPGLLVFLSGGLVLTTLVWELLRTTPEPTPLPPEDRRQSV SRQPSFTYSEWMEKIEDDFLDLPVPTPVFDCVMDIKPEADP TSLTVEGMLQRRRGSNVSLTDMCTPGCNEEGGYLMSPRRS AREYLLSASRVLOAEELHEKALDPLLOAEFFRIEMNPVDPKEY DIPGLVRKNRYKTLFNPFRVCLTSPDPDPLSSYINANYIRG YGGEEKVYIATQGPVSTVADPWRMVQERTPIIVKMTNIBEMN EKCTEYWPBEQVAYDGVETTVQKVIHTEYRLRLISLSGTEER GLXHYWFTSWPDQKTPDRAPPLHLVRVBAAQEGPHCAPII VHCSAGICRTGCFIATSI CCQQLRQSGVVDILKTTCQLRQDRGG NIQHCBQYQFVHBMVSLYEKQLSHQSPE
6199	144	1211	NARENGESSSSWKKQAEQIKKIFPKETLGTGAPSEVVLAREKA TKLFAVKCI PKALGKKESSIEETIAVLKIKHENTVALRDIY RSPNHLVLMQLVSGGLFDRIVERGFYTERDASTLIRQVLDAV YYLHRMGI VHRDLKPNLLYYSQDESKMISDPGLSRMEGKGD VMSACGTGPGYVAPVLAQKPYSAVDCGSGVIAVTLCCGYPP

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			FYDENDSKLFEQILKAEYEFDSFYWDDISDSARDPIRNLMEKDP NKRITCEQAARHPFIAGDTALWNTIHESVSAQIRKNFAKSEWRQ AFNATAVVRMRKILHIGSSLDSSNWSVSSSLSLASQKDCASGTF HAL*
6200	702	96	LPEVPHSLRPRVKPRLCCAQPAVRVNRARLPRCLAVFDLDYTLWPF WVDTHVDPFPHKSSDQTVDRRCQDVRLYPEVFEVLRLQSLGV PGAAASRTSEIEGANQLLELFDLFRYPVRETYPGSKITHFERL QQTGIFPFSQMIFFDDERRNIVDVSKLGVTCIHQNGMNLQTL QGLETFAKAQTGFLRSSLESPFEA
6201	2809	2383	GQTPRVWNRRLSLEAGKRRQTAGRKSESPKPVFIVIQDSSLFA GPPQPIRILKRPTSEGVSSPNSTERPTLPVKSQAQREAEYARA RKRILGSASPEBQKPIIDRPTRISQPBDSRQPNVIRQPLGP DGSQGFQRR
6202	2	426	INADRAAVASSLSRPTREMAPOKDRKPKRSTWRNLDLTHPVE DGIFDSGHPBQFLREKVKVNGKIGNLGNVHWRPKNKITVVS RQPSKRYLKYLTCKYLKKNLRLDWLHVVASDEKTYELRYFQISQ DDEKSESD
6203	419	2550	RCPRFPATAGAAASRPDRSPSGISGSEAAAGAGAAAPASQHPA TGTGAVQTEAMRQILGVIDKRLNLEKKRGLDDYQEBMNEGER LNQDQLDVASKYQEVNTWLEPAKELQRSFNALSQDIQRTIKKTA RREQLMRBBAEQKELTVLEQYVLDKLGDDDEVRTDLKQGLNGV PILSEELSLDEFFYLVDPERDMSLRNBEQYERHASIHLWDLLE GKEKPVCGTITYKLEIVERVQSYFDSSTHNGCLCEKEAA SAPAVEDQVPEAEPEBAYTEQSEVESTBYVNRQFMARTQPTS GEKEQVDEWTVETRVVNSLQQQQAASPSVPEPESLTPVAQAD PLVRQRQVDLMAQMGPPYNTQDSMLDFENQTLDPALVSAQPM NPTQMDMPQLVCPVHSESLAQPNQVPEVQPEATQVPLVSSTS EGYTASQFLYQPSHATBQRPQKRPIDQIQATISLNTDQTASS LPAAASQPVFPQATSKPLHSSGINVNAAPFQSMQTVFEMNAFVP FVNEPETLKQONQYQASYNQSPSSQPHQVQTELQEQQLQTVVG TYRGSFDQSHQVTGNHQPPQNTGPPRSNQPYNRSRGVSRGS RGARGLNGYRGYPANGFRGGYDGYRPSFNTFNSGYTQSQPSAP RDYSGYQDGYQQNFRGSCQSGPRCAPRGCGPPRPNRGMFQM NTQOVN
6204	2933	787	CTHNLISLLGGBALHFNRLNLKIQEGBAHNIFCPAYDCFLV PGDIKSVSVSEMDKRYLQFDIKAPVENNPAIKWCPTPGCDRAV RLTKQGSNTSGSDTILSFPILLRAPVDCGKHLFCWECIGRAHP CDCQTNKNNLQKITEMKPEELVGVSRAYEDAAANCLWLLTNSKPC ANCKSPIQRNBNMCAKCKYDFCWI CLRBNKHSFVHWEVI YRCTRYHVIQHVBEQSEBNTVEARKKHKRFQRLDRFMHYTFRK NHEHSYQLBQRLKTAKEBQSLRALKBTGGCPDTTFIEDAV HVLKTRILKCSYPYGFLEPSTKXIPELMQTDLEMTEDL AQKVNRPYLRTPRHKIKAACLVQKQKQEFASVARGVAPADSP EAFERSFAGGTNDWBYLGFASPEETAEPOYRRHRQRRRGDVHS LLSNPPDPDEPSESTLDIPEGSSSRPGTSVSSASMSVLHSS SLRDYTPASRSEMQDSLQALSSLOEDDPNILLAIQLSLQESGLA LDEETRDPLSNEASLQAGTSLPSRLDSVPRNTDSPRAALSSE LLELGDLSMRIGAENDPPTOTLSSHPLEARSDFCPSSSDPDS AGQDPNINDNLIGNIMAFHDMNPQSIALIPPATTEISADSQLP CIRDGSEGVKVELVLPEDSMFEDASVSEGRGTQIEENPLEENI PGGKQHPQAN
6205	1	1200	RAHRGKMALEVGDMEDQGLSDSDSMTVAPSDRPLQLPKVLGGD SAMRAPONTATACAPVSHYRAVESVDSSESPSDSDDSCLWKR KRQKCFNPPPKPEPQFQSSSQKPPVAGGKKINNIWGAVLQEQN QDAVATELGLLMEGTIDRSRQSETYNYLLAKLKRKESQHTKD LDKELDEYMRGKMKSSKEBENGQGHLLRKRFPVDRRLGNRPENH

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6206	10	1442	YKGRYETARDSEKVADEISFRLQEPKXDLIARVVRITGNKKA IELIMETARVEQNGELPIMNGSRRTPGGVFLNLLQVTPSISEE QIKDIFYIENQKEYENKKAARKRETQVLGKRMKQAIKSLNFOED DOTSRETFSADTNEALASLDESQSGHAEAKLEABEAEVDEHSD LDIF TISERRERSCLHVCIRCSQVVEGSGVLGLCSNASWIPCLGGS APCLLCRCCPSGNNSTVRLIYALFLLVGVCAVHLIPGNEEQ LNKIPGPCENKGVVPCNLLVGYEAVYRLCPGLAMPYLLLSLLM IKVSSSDPRAAHEGFWFFKFAAALAIIGAPPIPEGFTTVN PYVGMAGAPCFILQLVLLIDFAHSKNESWVERMEGNSRCWYA ALLSATALNYLLSLVAIVLPVYVYTHPASCEENKAFISVNMLLC VGASVMSILPKIQESQPRSGLLQSSVITVYTNLTWSANTNEPE TNCNPSLLSIIGYNTTSTVPEBGSVQWHAQGIIGLLFLLCV FYSSIRTSNNQVNLILTSDESTLIBDGGARSQGSLEDGDDVH RAVDNERDGVYISYSFPHMLPLASLYIMTLTNWYREPSREM KSQWTAIVWVKISSWIGIVLYVWTLVAPLVLTNRDFF
6207	2924	1471	CVMAEAAATPGTATTSGAGAAAATAAAASPTPIPTVTAPSLGAG GGGGGSDGSGGGWTKQVTCRYPMHGVCKEBCNCRYSHDLSDSPY SVVCKYFQRGYCIYDRCRYEBSKPLKQDEATATELTTSKSLAA SSLSLSSIVGPLVEMFTGEABSRNSNFATVGAGSEWVNAIEFVP GQPYCORTAPSCTEAPLQGSVTKESSEKQTAVETKQLCPYAA VGECRYGENCVYLHGDSQDMOGLQVLHPMDAAQRSQHIKSCIEA HEKDMELSFVQSRKDMVCGICNEVVYRKANPSERRPGILSNCN HTYCLCKIRKWSAKQFESKIIKSCPECRITSNFVIPSEYVWE KEEKQRLILKYKRAMSNKACRYFDEGRGSCPPGGNCPYKHAYPD GRREBPQRQKVGTSRYRAQRNHPWELIEERENSNPFNDDEE VVTFFELGEMILLMLAAGGDELTDSEDEWDLPHDELEDYDLDL TVMAEAAATPGTATTSGAGAAAATAAAASPTPIPTVTAPSLGAG GGGGGSDGSGGGWTKQVTCRYPMHGVCKEBCNCRYSHDLSDSPY SVVCKYFQRGYCIYDRCRYEBSKPLKQDEATATELTTSKSLAA SSLSLSSIVGPLVEMFTGEABSRNSNFATVGAGSEWVNAIEFVP GQPYCORTAPSCTEAPLQGSVTKESSEKQTAVETKQLCPYAA VGECRYGENCVYLHGDSQDMOGLQVLHPMDAAQRSQHIKSCIEA HEKDMELSFVQSRKDMVCGICNEVVYRKANPSERRPGILSNCN HTYCLCKIRKWSAKQFESKIIKSCPECRITSNFVIPSEYVWE KEEKQRLILKYKRAMSNKACRYFDEGRGSCPPGGNCPYKHAYPD GRREBPQRQKVGTSRYRAQRNHPWELIEERENSNPFNDDEE VVTFFELGEMILLMLAAGGDELTDSEDEWDLPHDELEDYDLDL
6208	2924	1471	TVMAEAAATPGTATTSGAGAAAATAAAASPTPIPTVTAPSLGAG GGGGGSDGSGGGWTKQVTCRYPMHGVCKEBCNCRYSHDLSDSPY SVVCKYFQRGYCIYDRCRYEBSKPLKQDEATATELTTSKSLAA SSLSLSSIVGPLVEMFTGEABSRNSNFATVGAGSEWVNAIEFVP GQPYCORTAPSCTEAPLQGSVTKESSEKQTAVETKQLCPYAA VGECRYGENCVYLHGDSQDMOGLQVLHPMDAAQRSQHIKSCIEA HEKDMELSFVQSRKDMVCGICNEVVYRKANPSERRPGILSNCN HTYCLCKIRKWSAKQFESKIIKSCPECRITSNFVIPSEYVWE KEEKQRLILKYKRAMSNKACRYFDEGRGSCPPGGNCPYKHAYPD GRREBPQRQKVGTSRYRAQRNHPWELIEERENSNPFNDDEE VVTFFELGEMILLMLAAGGDELTDSEDEWDLPHDELEDYDLDL
6209	1758	829	ERLCFFQMSKIYSYSPMKCSGNRPPLQENSVTHHEVKCQK PLAGIYRREERIKNAGNVRSMKSEBQIKDARKGPLVPPFNQ KSEAAEPPKTPPSQCDSTHAATROALKEPIKQKQAPREKQK TQNRRLIDFPVRRSSRSKARLQSEERKIDELIESGKEBGM KIDLIDGKRGVIAIRQFSRGDFVVEYHGLIBITDARKREALY AQDPSTGCMYYPQLSKTYCVDATRETNKLGRLINHSKQNCQ TKLHDIDGVPHILILASRDIAAGRELLYDYGDRSKASIAHPWL KH
6210	3761	387	IFGMSKLRMVLLEDSCSADFRHFVNLSPTTITVVLLLSACFVT SSLGGTDKELRLVDGENKCSGRVEVKVQBEWGTVCNNGWSMAV SVICNQLGCTAIKAPGWANSSAGSGRIWMDHVSCHNESALND CKHDGKGKHSNCTHOQDAGVTCSDGSNLEMLTRGGNMCSGRIE IKFQGRNGTVCDNFNIDHASVICRLQECSSAVSFSGSSNPGEG SGPIWFDLINCNGESALANCRHQGWGKHCNDHARDAGVICSKG ADLSLRLVDGVTRCSRLVRFQGGWGTICDDGWSYDAVACK QLGCPATAVTAIGRVNASKGFHILWLSVSCQGHAPVWQCKEHE WGRHYCNHEDAGVTCSDGSLELRLRGGSRCAGTVEVEIQRL LGRKVDGRGWLKADVVCRLQCGSALKTSYQVYSKIQATNTNL

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			<p>FLSSCNGNFTSLWDCNKNWGGGLTCDHYREAKITCSAHREPRLV</p> <p>GGDIPCSGRVEVEKGDWGSICDSDPSLEAASVLCRELQCGTVV</p> <p>SILGGAFPGEGNGQIWABEPQCEGHESHLSLCPVAPRPEGTCSH</p> <p>SRDVGVCSTYTRIRLVNGKTPCEGRVELKTLGANGSLCNSHWD</p> <p>IEDAHVLCQQLKCGVALSTPGGARFGKNGQIWRHMFHCTGTETQ</p> <p>HMGDCPVTALGASLCPSEQVAVICSGNQSQTLSSCNSSSLGPT</p> <p>RPTIPERSAVACIESGQLRLVNGGRCAGRVETIYHEGSGWTICD</p> <p>DSNDLSDAHVVCRQLGCGEAINATGSAHPGEGTGPINLDEMKN</p> <p>GKESRIWQCHSHGNGQONCRHKEDAGVICSEPM8LRLTSEASRE</p> <p>ACAGRLVFPYNGANGTVGKSSMSETTVGVVCRQLGCADEKINP</p> <p>ASLDKAMSIPMWVNVQCPKGPDTLWQCPSSPWEKRLASPSSET</p> <p>WITCDNKIRLQEGPTSCSGRVEIWHGGSWGTVCDDSWDLDDAQV</p> <p>VCQQLGCGPALKAFFRAEPGQGTGPINLWVVKCKGNSSSLWDCP</p> <p>ARRNGHSECGHKEDAAVNCTDISVQKTPQKATTGRSSRQSSPIA</p> <p>VGILGVVLLAIFFVALPFLTKRRRQRQLAVSSRGENLVHQIQYR</p> <p>EMNSCLNADDLDMNSGGHSEPH</p>
6211	3761	387	<p>IFGMSKLRMVLLEDGSGADFRHHFVNLSPTTITVLLLSACFVT</p> <p>SSLGGTDKELRLVDGENKCSGRVEVQVEENGTVGNNGWSMEAV</p> <p>SVICNQLCCPTALKAPCMANSSAGSGRIWMDIVSCRNESALWD</p> <p>CKHDGMEKESHNCTHQDAGVTCSDGNNLEMLITRGNMCSGRIE</p> <p>IKPQGRHPTVCDNPNIDHASVICRQLECGSAVSPSGSSNFGEG</p> <p>SOPINFDLLICNENESALANCKKHQGNCKKNCDAEDAGVICSKG</p> <p>ADLSRLRLVDGVTSCSRLVVRPQGEWGTICDDGNDSDYDAVACK</p> <p>QLGCTPTAVTALGAVNASKGFHGIWLDVSCQGHEDPAVWQCEHHE</p> <p>WGXHYCNHNRDAGVTCSDGSDLELRLEGGGSRCACTVEVEIQRL</p> <p>LGKVCDRGWLKEADVVCRLQCGSALKTSYQVYSKIQATNTWL</p> <p>FLSSCNGNFTSLWDCNKNWGGGLTCDHYREAKITCSAHREPRLV</p> <p>GGDIPCSGRVEVEKGDWGSICDSDPSLEAASVLCRELQCGTVV</p> <p>SILGGAFPGEGNGQIWABEPQCEGHESHLSLCPVAPRPEGTCSH</p> <p>SRDVGVCSTYTRIRLVNGKTPCEGRVELKTLGANGSLCNSHWD</p> <p>IEDAHVLCQQLKCGVALSTPGGARFGKNGQIWRHMFHCTGTETQ</p> <p>HMGDCPVTALGASLCPSEQVAVICSGNQSQTLSSCNSSSLGPT</p> <p>RPTIPERSAVACIESGQLRLVNGGRCAGRVETIYHEGSGWTICD</p> <p>DSNDLSDAHVVCRQLGCGEAINATGSAHPGEGTGPINLDEMKN</p> <p>GKESRIWQCHSHGNGQONCRHKEDAGVICSEPM8LRLTSEASRE</p> <p>ACAGRLVFPYNGANGTVGKSSMSETTVGVVCRQLGCADEKINP</p> <p>ASLDKAMSIPMWVNVQCPKGPDTLWQCPSSPWEKRLASPSSET</p> <p>WITCDNKIRLQEGPTSCSGRVEIWHGGSWGTVCDDSWDLDDAQV</p> <p>VCQQLGCGPALKAFFRAEPGQGTGPINLWVVKCKGNSSSLWDCP</p> <p>ARRNGHSECGHKEDAAVNCTDISVQKTPQKATTGRSSRQSSPIA</p> <p>VGILGVVLLAIFFVALPFLTKRRRQRQLAVSSRGENLVHQIQYR</p> <p>EMNSCLNADDLDMNSGGHSEPH</p>
6212	1	1134	<p>LKWEIRPGGAVNGTGRGAGTGAPRSCCQTNPGPPSSLRRAFR</p> <p>RELFPFACHEIGLGAEGAGGPPAPAPARESRSRAMEERASSPGL</p> <p>GCSKPHLEKLTIGITRILESSPGVTEVTIIEKPPAERHMLSSWE</p> <p>QNNCVMPEDEVKNFYLMINGFMTWSVKLDEHIIPLGSMAINS</p> <p>SKLTQLTQSSMYSLNAPTADLEDDTHRASDDQPEKPHFDSRS</p> <p>VIPRLDSCNGSGKVLVYKSGKPALAEDTINFLDRALYHPLT</p> <p>DTPTAYYRLLIITHLGLPQWYAFTSYGISPAKQKRVSMYKPI</p> <p>ITYNTLLTETDSFVNKLDPKVPKSKNKIIVIPKRGVPVQAGGQK</p> <p>GPSGPSQFSTSTSKSSSGSGNPTK</p>
6213	1	1134	<p>LKWEIRPGGAVNGTGRGAGTGAPRSCCQTNPGPPSSLRRAFR</p> <p>RELFPFACHEIGLGAEGAGGPPAPAPARESRSRAMEERASSPGL</p> <p>GCSKPHLEKLTIGITRILESSPGVTEVTIIEKPPAERHMLSSWE</p> <p>QNNCVMPEDEVKNFYLMINGFMTWSVKLDEHIIPLGSMAINS</p> <p>SKLTQLTQSSMYSLNAPTADLEDDTHRASDDQPEKPHFDSRS</p>

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			VIPFLDSCKSGKVCIVYKSGKRALADTETHWPLDRALYNHPLTDTPTATYRLLITHLGLPQWQYAFSTSYGISPOAKQQRVSNYKPTTYNTLLTERTDSFVNKLDPKSVFKSENKIVIPKKRGPVQPGGQKGPSGPGSPSTSSSTSKSSGSGEPTRK
6214	2	460	HRLAPSAIREAARIGLGFARWQSRRAAPYFVGPRHGWSPVGMVVLGTSARNTLFFPLSKMAASSRAQVLALYRAMLRBSRPRFSAYNYRTYAVERRIEDAFRENKBNVKDFVBIQTLVNEAKRDLGVIRQVHIGQLYSTDKLIENRMPET
6215	2	1849	FVAGGPRGSGSAABTMRITRVTPFGAGQDVGESCLVSLAEKNVMIDCGMRMGPNDRRFPDFSYITQNGRUTDFLDCVILSHPHLDHCGALPYFSENVGYDGIYMTHTPTQAI C PILLDYRKIAVDKRGANFPTSQMIEDCKKWAHVLHQTVQVDELEIKAYVAGHVLGAAMPQIKVGSSESVYTGDMTPDRHLGAARWIDKCRPNLLITESTYATTIRDSKRCREDFLKKVHETVERGGKVLIPFALCRAQELCILETFWRDMLKPIYFSTGLTERKANYKLFIPWYNQIKRITFVQRNMPFEXHIKAFDRAPADNPGFMVVPATPGMLHAGQSLOIPKRWAGNERKMWIMPGYCVQGTGVHKLSSGQRELEMEGRQVLEVMQVVEYMSFAHADANGIMQLVGQARPEKSVLLVHGEAKEMFLKQKIDELRVNCTMPANGSTVTLPTSPSPVPGISLGLLKRENAQGLLPEAKKPRLLHGLTDMKDSNPLVSSEQALKHGLAKHQLRFTCRVHLHDTRKBOETALRVYSHLKSVLKDHCVQHLPDGSVTVESVLLQANAPSEDPGTKVLLVSWTYQDEHLGSPITSLLEKGLPQAPS
6216	11	393	QITRPEPRNSALRQSRSRMAVVGSSVSRLLGRSRPQLGRPMSSGANGREGSARNWKTLTFFVLEPGVAVSMNVLYLKSHEGHERPEFIAYPHLRIRTKPPFWGQGHNTLPHNPHVNPLPTGYEDE
6217	9	1178	TRVGRGSEGLKHEVIPPGRPPQPSGRRRRRREGEGHDPKEPEQLRKLPIGGLSPETTDSSLREHFERNGTLDTCVVMRDPTKRSRGPFGVVTYS CVBEVDAAACARPHKVDGRVVEPRKAVSREDSVKPGAHLTVKKIPVGGIKEDTEHYNLRDYFEKYOKIETIIVMEDRQSGKRGFPAPVTFDDHDTVDKIVVQKYHTINGHNCVEKALSRQEMQSAGSQRGSGGSGEPMGRGNGFGGGGNGFGRGNGFGGRGGYGGGGGGERGSGYGGGCGGYNGFGGCGGNYGGGPGYSSRGYGGGPGYTGKQGGGYGGGGYDGYNEGNGFGGCGYGGCGNYDNGYSGQQQS NYGPMIGGSFGGLSSQSPYCGGYGSGGGSGGYGSRFP
6218	1305	906	SCERRGFIMADDLKEFLYKCLPSVEGLHATVVSDDGVPVIVKANDNAPENALRPGFLSTFALATDQSKLGLSENKSIICYNTYQVQPNRLPLVVSFLAQSANTGLIVSLKRLAPLFEELRQVVEVS
6219	2	890	AGPGEAGAGATRCAGARAEMAAGGEDCESPAPRADRPHQRPFLIGVSGGTASGKSTVCCKIMELLQONEVEQRQRKVVILSQDRFTKVLTAQKAKALRGQYNFDPDPAFONDLMERTLKNIVEGKTVEVPTYDFVTHSRLPETTUVYPADVVLPBGILVFTSQIRDMFHLRLPVDTDSVRLSRHVLRDVVRGRDLBQLLTQYITTFVPAPEEPCLPTKKYADVII PRGVDEWVAINLIVQHIQDILNGDICKWHRGGSNGRSYKRTFSEPGDHPGMLTSGKESHLSSSRPH
6220	227	764	EQNISLEMSCTIKALADAKALVERLRDHDAAESLI EQTTALNKRVEAMKQYQKRIQKLNVARHRPRSTLVMGIQQENRQIRELQQENKELRTSLREHQSALELINSKYRQMPRLIMASKDDPGIIMKLEQHSKIDWVRNKSEGFPLDASRHLAPQHGLERRHLEANOHVH
6221	98	916	ENIWDILNPFVSDGLELPKYNGILHCLTTIWKLDGLRGLYOGVTPNIMGAGLSWGLYFVPYNAIKSYKTEGRAERLEATBYLVSAAEAGAMTLCITNPLWTKRILMLQYDAVNSPHRQYKGMFDLTKIYK YEGVRGLYKGFVGLPGTSHGALQPMAYELLKLYNQHINRLPEAQLSTVBYISVAALS KIPAVAATPYQVVRARLQDQHMFGVIGVIVITKTWRKEGSGGFTKGIAPNLI RVT PACCI TPVYVYRVSHTFLDLREKRRK

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6222	2	2116	MARELRALLLAGRELRLPLLEAPALAAVPGGKPLICPRRTTAQLG PRRNPANSLQAGRLFSTOTARDKEEPLHSIISSSTESVQGSTSEH EPQARTKLLDIVARSLYSEKGVFIRRLISWASDALEKLRHLV SDGQALPEMEIHLQTNAREGTITITODTIGMTQRELVSNLGTIA RSGSKAPIDALQNAEASSKIIIGQPGVGFYSAPWADRVVEVYSR SAAPGSLGYQNLSDGSGVFEIABASGVRTGTIKIYIHLKSDCKRP SSEARVRDVVTKYSNFVSPPLYLNGREMTLQATWMDPKDVERE WQREFFRYVAQAKDKPRYTLHYKTAPLIRSIPTVPMKPSM PDVSRRLGSSVALYSRKVLITQKATDILPWLRFIRGVVDSEDI PLNLSRELLQESALIRKLRDVLQORLIKFFIDQSKKDAEKYAF FEDVGLPMREGIVTATEQEVKEDIKLLRYESSALPSGQLTSLS EYASRMAGTNNIYYLCAPNRLAHSPTTEAMKKKDTVLFCF EQPDELTLHLREDFDKKLI SVETDIVVDHYKEKFPDRSPAAB CLSEKYTEKLMAMNRNVLGSRVTNVKVTLELDTHPAMVTVLENG AARHFLRMQQLARTQERRAQLLOPTLEINPRHALIKKLANQLRAS EPGLAQLLDQIYENAMIAAGLVDDPRAMVGRINELLVKALEKH
6223	3	715	DANARTNAGMVDFODEQVKSPTLEMEVECNVHCYHKKDPDGCY RLVDYLEGIRNPNDEARVLFKPNCHENQSDSCYKLGAYVYTGK GGLTQDLFAARCFIMACEKPKKSAACHFVGLLAHDGQVNEO GQPDLGKARDYITRACDGGYTSSCFNLSAMPLQGAQPGPKMDL ACKYSMKACDLGHFWACANASRMKLGDDGVKVEAKAEVLKRA QOVHKEQQKGVQPLTFG
6224	1	133	LRTISSMANGPILLTLAHCCTGSAQSVLTQPPSVSGARI PHKK
6225	3259	938	LLSCERLAI CKLPFSVESRKTVMGPGQARRQAFAPAGDVTVDPT QEWRLSPAQRALYREVLTENTSHLVSLGILHSKPELIRLEQ GEVPMGEERRRRPGFCAGIYAEHVLREPMLGLAHQBOQQLQPSD QSPQSDTAEGQEKKEKTKPMAPSSPPLRHAVSSRRRNSVVEIES SQGQRENPTSIDKVLKGI EHSRWGAFKCAERGQDFSRMHVI TH KKAHSRQKLPFCRECHQGPRDESALLHONHTTGEKSYVCSVCG RQPSLKANILRHQRTHSGEKPFCKVCGRGYTSKSYLTVERHTH TGBKPYECQECGERFNDKSSYNKHLAHSGEKPFVCKEGRGYT NKSYPVVKRINHSGEKPYRQCEGRGFSNKSLLITHORTHSGEK PFACRQCKQSPSVGSLLRHORTHSGEKPFCVCKDCERSPSQKST LVYHORTHSGEKPFCVCECGGFTQKSTLVKHQITHSEKPFVC KDCGRGPIQKSTPTLHORTHSEKPFVCEGRGPRDKSSYNKH LRAHLGKRPFCRDCGRGFTLKPMLTTHORTHSGEKPFCVCKDC KPSLKANILRHQRTHSGERPFCVCKDCGRGFTLKPMLTLPKQTH SGEKPFCVCECGGFTWKSINLVKHQLAHSGKQPFVCKEGRGPN WKNLLTTHORTHSGEKPFCVCECGGFTWKSINLVKHQLAHSGKQ KPFVCECGGFTWKSINLVKHQLAHSGKQPFVCKEGRGPN YYSKHLRHLREKRFCTGSVGEASS
6226	29	266	TKVSELLGGSQRLPFLPLWRRICRCGLGPRVSPMAGPRVEVDGS IMEGGGQSLRVSTGLSWLLSLPWAQRIRAGSYA
6227	2581	890	MSASSLLEQRPKGQGNKVQNGSVHQKDGANDDFEPYLSPOARP NNAYTAMSDSYLPSYSPSIGFSYSLGEAMSTGGDTAMPYLT YQQLSNGEPHFLPDAMFGQPGALOSTPFLGQHGFNFPYPSGIDPS AWGNBSQQQSTQSSGYSNYAYAPSSLGAMIDGSAFANETL NKAPCMNTIDQMAALKLGSTEVASNVPEWGSVAVGSGSITBNI VASNSLPPATTIAPKPAWADIASKPAKQPKLETNGIAGSSL PPPPIKENMDIGTWDNKGPAKAPSOALVQNIQPTQGSFPQV QQAANSPPVAGASVGGQTQPLPPPPQPAQLSVQQAQPTTRW APRNRGSGFGHNGVDGNGVGQSQAGSGSTPSEPHVLEKLSIN NYPNPDFDWNLKGRVFI EKSYSKDDIHSIKYNIWCSTBRGNK RLDAAYRSMRGGKPVYLLPSVNGSGHFGVARMKSAVDYNTCAG VNSQDKWGRFDVWNI FVVDVPSQLHITLENNENKPVVNSRD TQEVPLEKARQVLKI IASYKHHTTSIPDDFSHYEKRO

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6228	47	1978	GRRCRRRGAVMELAQEARRLGCNAVEEMGVFAARAPESTLERL CLGQGADIWAYTLQEVHSQRTVKKIRGNLLWYGHQDSPOVRRKL ELEAAVTRLRARIQELQSLKMERDTEAQDTAMQABQHTQDT QRRALLRAQACAMRRQORTLDPORLONQLERLQDMERKAKV DVTFGSLTSAALGLEPVLVDVITACTLEAQFLQNLPLPQAKRG SLPTFDDHDFGTSYQQWLSVETLLTNEPPGHVLAALHHAER EABIRSLCSGGGLGDTISRPOAPDQSDSSQTLPSMVHLIQEGW RTVGLVLSQRSTLLKERVLTQRLQGLVEEVEREVLGSSEROVL ILGLRCCLTWELKALHDOSQELQDAAGHRQLLLRELOAKQRI LHWROLVBETQEVRLIKGNSAKTELCRSPGEVLALVQRKV PTFRAVAPQSRRLRLCLKEEVVHLPHILLGTLLEHPGELKPLP TVLPSTHQLHPASPRGSSFTLSHKLGLPPCKASELLPAAASL RQDLILLQDORSLWCWDLLEMTSLPPGLPTQELLQIQASQEKQ QENLQALKRLEKLLKQALERIPELQGIQVGDWNBQPGQAALSB ELCQGLSLPQWRLRWVQAGGALQKLS
6229	1571	560	GPSLIGTRGTNPARTLQIFPLIGRRITGRMAAVDDLQPEEPG KAATSLTANPDATVNIEDPGETPKHQPSPRGSGREDDRLG NDDSDKTELLAGQKSSPFWTFYQTFDVTYQVFDRIKGS LPIPGKFPVRLYIRSNPDLYGPPWICATLVPAJAIQGNLSNFI HLGKTYHYVPEPRKVSIAATIIYAXAWLVPLALNGFIMNRNSK VMIVSVSFLSIVCVYGYSLPIYPTAILWIIPIKAVRWILVMI ALGISGSLAMTFWPAVREDNRVALATTITVILLHMLLSVGCL ATFPDAPENDHLPITATPNQTVAAKSS
6230	1723	600	SKMSGRSGKKMSKLSRSARAGVTPVUGRLMRYLKKGTFFKYRIS VGAPVYMAAVIEYLAABILELAGNAARDNKIARIPRHILLAVA NDERLNLQKGVITASGGVLPRIHPPELLAKRGTRGKSETILSP PPEKRGKATSGKGGKSKAKPRTSKESKPKDSDEKGTNSST SEDGPGDGFITLSSKSLVLQKRLSLTQSDISHIGSMRVEGIVHP TTABIDLKEDIGKALEKAGGKEFLTVKRLRSQGPLEVAEAAV SQSSGLAAKFVICHIPQWGSDDKCEQLEETIKNCLSAARDKIL KSVAPFPFPSPGRNCFPKQTAQVTLKASAHFDDSSASSLRNVY FLLPDSKSIIGIYVQEMAKLDAR
6231	149	870	LYFSSTWDSLRNVLVVSFCLLLFTAYGGLQSLQSSLYSEEG LGVTALSTLYGMLSSWFLPPLLIERLGCKGTIILSMCGYVAP SVGNFFASWYTLIPTSLILGLGAAPLWSAQCTYLTITGTHARK AGKRGEDMVNQYFGLIFPLIFQSSGVNGHLLSSLVFGQTPTSQTL PEBQLTSCGASDCIMATTTTNSQRPSSQLVTTLLGIYTGSGVL AVLNLAAFLQPIRDVQRESE
6232	3679	1476	FVAGTVMAGFWGTAPLVAAGRRGWNPPQQLNLAAALRTLEHVL YYSRQCLMVSRNLGSGVYDPEKTYFDKILVANRGEIACHVIRTC KEMGIKTVAIHSVDVASSVHVMADEAVCVGPAPTSSKSYLNMDA IMBAIKKTRAQAVHPGYGFLSENKEFARCLAAEDVVPFIGDTHA IQANGDKIESKLLAKKAEVNTIPGPDGVVKDAEAVRIAREIGY PVMIKASAGGGGKGMRIAWDDEBTRDGPRLSSQEAASSFGDDRL LIRKPIDNPHIRIQVLGDRKHGNALWLERECSIQRNRQKVVEE APSIFLDAETRRAMGEQAVALARAVKYSSAGTVEFLVDSKKNFY FLMNTRLQVHHPVTECTIGLDLVQEMIRVARGYPLRHQADIR INGWAVECRVYARDPYKSGFLPSIGRLSQYQEPLELPGVRVDSG IQPGSDISIIYDPMISKLTITYGSDRTBALKRMDALDNYVIRGV TNIALLREVIINSRFVGDISTKFLSDVYFDGFKGHMLTESEK NOLLAIASSLFVAFQIRAQHFQENSRMPVIKPDIANWELSVKLI DRVHTVASNNGSVPSVEVDGSKLVNTSTWNLASPLLSVSDGT QRTVQCLSRBAGGMSIQFLGTVYKVNILTRLAELNKFMLEKV TEDTSSVLRSPMPGVVVAVSVKPGDAVABGQRCVIRAMQONS MTAGKTGTVKSVMHCAGDVTGEGDLLVELE
6233	1	2654	HTRENINAGNFPNPPSEGLVRSITGPGGSPAKHNVACVSPKGP

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			LACSRITYFFGATHVPYILGGDSKLPKKTQIRLLSQIYAIVLEAV LAGTACTACTSSLTAKGVARQTLGSGLDSPFLIPFKAALRSKM TFHDAVHNGRIVPLDSEDSLSFVKTAQAVYDIPDLGGNGC LGSVVPSESLTSQILVKKEDGTVTETSSVLTAAVPRFCSWL VEDNEVKLSKCTQAVRGDESFLGTLYLTGGEGAYLYSSNLQSWP REGNVHFPSSGLLPSHCHRGSIISKDEHNSISFYDGDSTSTVA ALLIDPKSSLLPHLPVHPHGGSSNPLMIALPPKSKIYQAFYSKV SLWRQDDNSGILSKVIQEDGLSVBQKRLSSAQKLFALSQAPAG EKRSSLLLSAKLPFLDNLQHPAISISSIQEPVMRTHLPVLLQO AEINTTHRIESDKVSIISIVTGLPGCHASELCAFLVTLHKRCGRW MVEYQINDSSSCFHAHFPQRYLSSALKAQNNESARQSAITRKET RLLVVLQGYTQVTDVQALQTHPDSNVKASFITGALTACVEPNIS CYMEHRFLFPKCLDQCSQGLVSNVVFSTHTTQRHPLLVQLQSL IRANPAAAFILAEINGIVTNEDEILILSENPSPPSEMLRSRYL MYPGWYEGKLKAGSVYPLMVQICVMFGRPLEKTRFVAKCQIQS SIKPSPPSGNIYHILGKVKPDSSERTMEVCTNLANSLSIMPL EGPTPPPDSESVQSDSGQCECYLVFICGSLKEDSIKDLRQSA KQKPKALKETRGMLTQGEIRSHVKKHLEPLPAGYFTNGTQPV NFFGDETDHPLMDQPMNDYVERANRRIKYNQLEQQEYEDLF ELKP
6234	1731	404	PRVREDMDHKSFGNKGSLVYAGIKSIVKSSILGVESSEHNSGL DKQSDIQNLNBERILALQLCGWIKKGTDDVDGPPFINSLVQEGW ERAAAVALEFNLDIRRAIQILNEGASSHKGDLNANVMALSGYT DEKNSLWREMCSTLRLQNNPYLCVMFAFLTSETGSYDGVLYEN KVAVRDVAPACKFLSDTQLNRYIEKLTNEMKPAENLEGILLTG LTEDGVLDMSYVORTGDVQTASTYOMTQGSPLDVLKDERVQYWI ENYRNLLDANRFWHKRAEFDIHRSKLDPSSKPLAQVFSVSNFCC KSISYSCSAVPHQGRGSPQYGVGSGSPTKSKVTSCPCGCRKPLRC ALCLINMGTPVESCPGCTKSEKVDLSKDKKLAQFNNWFTWCHN CRHGCHAGHMLSWFRDHAECFVSACTCECMQLDTTGNLVPASTV QP
6235	1	571	EKRDRHRLPSNPRAALKVPGRGGRVGTTPELAGGINATRNPPQ DYESDODSTEVLDTLEYARRHQWNRVFGHSSGPMVVKYSVATQ IVMGGVTCWCAGFLPKVKGKLAATAVGGOPILLQIASBSGYVGI DWERVEKDVNKAQRQIKGRANKAAPEINNLIERRATBPICKQNTVI SGGFVGGFLLGLAS
6236	1	703	WDQNKGAAGSGLTLPFLPSARFSAAGPTQRSRPTMSMEHILY NLKFAAKLSRSARKCDKRRKAEKAKIKKAIQKGNMEVARIHAE NALRQKQAVNFLRMSARVDAVAARVQAVTAVGKVTESMAGVVK SMDATLKTDLKISALMDKPHQFETLVDVQTOQMEDTMSSTTT LTTPOQVDMILLQEMADHAGLDLNMELPQGGTGSVGTSVASABQ DELSORLARIHQV
6237	312	720	PTANAEGLAAGGVMDVNTALQEVLEKTAIHDGLARGIREAKA LDKRAHLCLVLAASNDPEMYVRLVEALCAHQINLIKVDNKKL GEWVGLCKIDREGKPRKVVGCSCVVVKDYGESQAKDVIERYPK CHK
6238	2	4666	HRVPTQESVWEINVIIEKPEIVFVADMTKNDAPALVITTCCEI CYKGNLENSTMTAAIEDLQVRACPLPVKREGKITTVLQPCDLF YQTTQRTDPQVIDMSVKSLTLKVS?VIINTMITITSALYTTKE TIPEETASSTALWEKEDTKTLKMWFLRESNETEKIAPTTLVLP KCEMIKMNIDSIPIVLEAGIGHRTVPMLLAKSRFSGEGENWSSL INLHCQLKLEVHYNEMFGVWEPLLEPLEIDOTEDFRPWNLGIX MKKKAEMALVESDPERENYKVPYKTVISFHSKDQLNITLSECS LVMNLNLVKAFTZAATGSSADPVKDLAPFKILNSGLTISVSPS DSFSLNIPMAKSYVLENGESLSMOYIRTKDNHFNAMTSLSSK LFPILLTFVNBSTADKIPLTRVGRRLYTVRHRBSGVERSTVCQI

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			<p>DTVEGSKKVTIRSFQIRNHFSVPLSVYEGDTLLGTASPENEFN IPLGSYRSFIFLKPEDENYQCEGIDPEBIIENDGALLKKKCRS KNFSKESFLINIVPEKDNLTSLSVYSEGDWDLPTDHLWPPILL RNLLPYKIATYIECTIERSVFTLSEGHSAQICTAQLGKARLHLKL LDYLNHWKSEYHIKPEQDDISPVSTCVTERMTDLDIAVEDMT YNTGQTVVAFPHSPYMMVNKTCRMLQYKADGIRKRPPIHYKKEVL PSFPQNHFPNNKQVQNVTDSELNQQFSJDTVGSSEKAVKCKGLK MDYQVGVITDLSSEPHITRIVTPTFPMIKNKSKYHISVABEGND KHLSDLEBQCIPFWPPTASSLLIQVERSEDPPKRIYNNKQENC ILLRLNRLGGIIAEVNLAEHSTVITFLDYHDGAATPLLINHTK NELVQYNQSSLSBIRDSLPFGKAVPTTADPVGSRLKWRCKRS HGEVTKDDMMNPIDLCKRTIYLVSFPEGLQRIILFTEDPRVPK VTYSEKARLABQIAVALQDVGISLVNNYTKQEVAYIGITSSD VVWETPKKKKARWPKMSVKHTEKLEPEPEYTESPSEDKVIQL DTRVPVRLTPTGNNMLLQPHVIALRRNYLPALKVEYNTSAHQ SPRIQIYRIQIQINGAVFPFVFPVKPKSVTMSAPKPTD VSIWMSAGBSQISRIKYFKVLIQEMDLRLDLGPTXALTDLMTB AEVTENTVELPHKDIEAFKEEYKTASLVQSQVSLYEPHISP IKHLVSVLSGGRBAKDSKQNGGLIPVBSLMLLKSIGATLTD VQDVVFKLAFPKINQPHITSDIQSEVIREYSKQAIKQMTVLIL GLDVLENPPGLIBEFSEGVAFPTPYQGAIQGPPEFVEGHALG LKALVGGAVGGLACPAASKITCAMAKGVAAMTMDSDYQKRRAM NKQPAFGREGITRGGKGLVSGFVSGITGIVTPIKGAQKGGAG FFKGVGKGLVGAARPTGGIILMASSTFGGIERATETSEVSLR PPRPFNEDGVIRPYRLRDGTGQMLQKIQFYREWIMTHSSSSDD DDDDDDDDSDLNH</p>
6239	2108	634	<p>KPMAGKGSSEGRPLLLGLLVAATVHLVTCFYTKVESFNLOA THDLLVHQDLBQYDHLFPFGVVPRTFLGPVVIAPVSSPAVYVL SLLEMSKPYSQLIVRGVLGLGVIPLGLWTLQKVRHHPGAMVATM FCWVTAMQPHLMFYCTRILPHVLALPVVLLALAAHLRHNARFI WLSAPAIIVRVSLCLPLGLLLLLALGNKRVSVVRALRHAVPAG ILCLGLTVAVDSYPPHRLTNPEGKVLWYNTVLNKSNNMGTSPLL WYFYSALPRGLGCSLLFTPLGLVDRRTHAPTVALGPKALYSLL PHKRLFTIYAFPLNITAAKCCSVLLNNYKSNLYKAGSLVI GHLVVAAYSATALVSHFNYPGGVAMQRLHQLVFPQTDVLLHI DVAAAQTVSRFLQVNSANRYDKREDVQPGTGLAYTHILMEAA PGLIALYRDTHRVLASVVGTTGVSLNLTQLPPFNVELQTKLVLL ERLPPPS</p>
6240	2202	1176	<p>HREGDSLKEPTSIAESSRHPSYSESPSLPESFRSPTEGKSFHF DPLSSGSRSSSLKSAQGTGFZLGQLQSIRSEGTSTSYKSLANO TRNGSLSYDSILTPSDSPDFSVQAGPEPPPLGYTSPFLSARL AQQRBAERHRLVPTGPTHRSPSPVRYDNLSEHIVASLQEREKL LRQSPPLPGRKEEPGLGDSGIQSTPGSGHAPRTSSSSDSSKRS LGHTPLGRPAVPRFGKPDGLRGRGVSPGPTAPYLRSMYSYS SQHAQPGVSBTEVALQPLLTFDEEVQLRTTYSKNGQPESLGS ASPGPGQPLSSPTRGGVKKVSQVGGTTYEISV</p>
6241	3	1341	<p>RNABEKKRLSLQREKILARVSIIDNRTRALVQALERTTTPKLCIT RVEELTFHLLFPBGKGVAVKRIIPYLLRLRQIKDETLOAAVR EILALIGYDVPVKGRGIRIISIDGGCTRGVVALQTLRKLVELTQ KPVHQLFDYICGVSTGAILAPMLGLFEMPLDBCEBELYKLGSDV PSCNVIQTVKMSWSHAFYDSQWENILEDRMGSAIMIBTARNP TCPKVAAVSTIVNRGITPKAFVFRNYGHFFGINSHYLGCCQYKM WQAIRASSAAGPYFAYALGNLDHGDGGLLNKNSALAMHECKC LWPDVPLECTVSLGTGRYSDVRNTVTYTSKTLKSNVINSATD TEEVHIMLDGLLPDPTYPFPNPMCENIPLDESNEKLDQLQLB GLXYTERNEQKMKKVKATLSQEKTLQKINDWIELKTMVEGLP</p>

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6242	198	1310	<p>PFSL</p> <p>QHFLPGASTWSPGAAVCTARRFPGRSLAAPPFPAPRAVEMGE SSEDIDQMFSTLLGEMDLLTQSLGVDTLPPDPNPPRAEPNYSV GFKDLNESLMALEDQDLDAIMADLVADISBAEQRTTQAQKESLQ NOHHSASLQASIFSGAASLGYGTINVAATGISQYEDLLPPFPADP VLDLPLPFPFPPEPLSQKEEBAQAKADKIKLALREKLEAKVKRLV VKVHMNDNSTKSLMVDERQLARDVLDNLPHKTHCDCHVDWCLYE IYFELQIBRFPEDHENVVEVLSDWTRDTEKILFLERKKYAVE KNPQNFYLDNBGKRESKETNEKMNKKNESILLEVLILQSGRKE KDVCSIFKSPASENNGKI</p>
6243	1509	614	<p>RSASRFSGCWSDSTCCCPSTCWSRSSASCPRARNPPSSAPAT TSRASSRRLACGPQTRAGATRSAMIRANSAARDTRRATCRSA AGTPSPFTMTCLTDVPTGCAAVPTARLPAAAGASTITTGCCPA MGQAGAGPAGRGSEAGGGPGRABHAFSPPLPREPRVTGPPAH GPTPGSIDESPFLSHGSGAGVTQESPLDPVDVFLFRTRAVDFLR RVFFPFYQBLTFPSIQPQPPCHAFHPRDPFAGTKRQLILVPLK GPPILAPILSLTPILSRWSCYFPFSRLAQWHLS</p>
6244	2119	1745	<p>FEHAYASQFGTFPGNNESERCKLKLQQTNSLWSWVNPSELSK FTNPLFRANNLVIWSPVAPQSLPWEGLYLAHNRSSKYLDRAYE BMVNIIEYNEKLQAKVNIILRQLARLETDGMOBSP</p>
6245	81	1148	<p>LSLRNAKYSFPQELSLPMTDLNDNICRYIERMTNIVILSLY ICISLAPWIIISMTASTTYGNLRPISPWRMLPSVVVPLIVSNGL KKKSLDHSGALOGVLVVGFIITIANFSFPTSLMLPFLSSSKLTKW KEGVKKRLDSEYKGGQQRNVQVFCNGAVPTLALLYMIENGPC EIPVDPSRQYSASMMCLSLAALACSGAGTNASEVGPVLSKSSP RLITITNERKVPVGTNGSVTVVGLVSSLLGGTFVGLAYFLTQLIFV NDLDISAPQWPIIAPGGLAGLLGSIVDSYLGATHQYTGLEDSTG MVVNSPTNKARHIAKPIIDNNAVNLFSSVLIALLPTAANGPW PRG</p>
6246	1177	359	<p>SLMFWLLMDSDLMQISLQLLCVYTANFPNGCSSLWSSCGQHPV QATHRGAVSNSMLCILLKLASOMPLENTTVQGVPMILSLNALS HDCRGVTDKSNFLQNFSLALPKGGNKLHSLNLTILMLKLLNIS SGEQQQMLRLDGLCLDLTENSRYEKKSSPLLPLIFHNVCPS PANKPKILANERVITVLAACLESRNQNAQRIGAAALNALIYNVQ KAKTALKSPSVRRVDRAYSIAKKTTPMSEANPLNAYYLKLEN LVQLLSS</p>
6247	3	1678	<p>NSRVWQPWTEPSAGSLRPMARKQNRNSKRLGLVPLTDOTSHAGP PGPGRALLECDHLRSGVPGGRRRKNWSCSLLVASLAGAPGSSFL TGYNLSVVNAPTPYIKAFYNESWERRHGRPIDDTLLMSVTV SIFAIGGLVGTILVKGIGKVLGRKHTLLANNGFALSALIMACS LQAGAFEMLIVGRFIMQIDGVALSVLPMYLSRISPEETRGSLG QVTAIFICIGVFTCQLLGLPELIGKSTWPLFGVIVVPAVVQL LSLPFLPDSRYILLERKHNEARAVKAPQTPLGRAHVSQEVREVL AESRVQRSIRLVSVLELLRAPYVRNQVTVIVINACTQLOGLENA IWFYINSIFGKAGIPPAKIPYVTLSTGGIETLAAVPSGLVIEHL GRPRLIGGFGLMGLFFGTITITLTLDMAFWVPYLSIVGILAY IASFCSGPGGIPFILTGEFFQOSQRPAAFIAGTVNWLNSNFAVG LLFPFIQKSLDTYCFVFAFICITGAIYLYVLPETKERTYAEI SQAPSKRNKAYPPREKIDSAVTDGKINGRP</p>
6248	56	1773	<p>VPPPRMGAAPPOLBFWNRVRI PRAGNRSVTVQNGAALDLCI AAVIKECHLVILSLKSTLDARTDVLCAVLYSNENEMGRHKPHL ALKQVBQCLARKLNENLEGSIQDLFLFPSSNENQPLTTKVCVVP SQPVVELVLMKVLGACKLLELLDCCCKTPLLTVRHGLQBFPI LNLVNVGLVSRILWLYKGLKRLILLYEPLFGLLQEVARIQPMF YFKDFTPPSDITRFLGQPYFEAPKKKMPIAFAARGINKLLNKL LDNEQS PRASEETLLGISRKAKQMKINQHNVDLQGPVKNERVP</p>

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6249	56	1773	<p>KRESSEPDVRAFCNQLKHKATQETSDFKCSQSRLKTKYSSQK VIGTPHAKSFVORFREARSFTQLSEBQMAMVWCRSKKLKAQAI FLGNKLLKSNRLKHLKAGGTSLPKLECIKTSICNHLRGSGIK TSKHLRQRBSQNKFLRQRKQKLOSTLLREIQQFSQGTAKS ATDTSARWRLSHCTVHRTDLYPNSKQLNSGVSMFVIQTKRMI HENLRGIHENETDSTWVMQINENSTSGTIKETDIDDIPALMGV</p> <p>VPPPRMAAVPFGLEPMNRVLPKAGNESAVTVQNGAALDLCT AAVIRECHLVILSLKSTLDARTDVLCAVLYSNHNRMRHKLPHL ALKQVEQCLKRLNMMLEGGSIQDLPLFSSNENQPLTTKVCVVP SQPVVBLVLMKVLGACKLLLELLDCCCTFLLTVKRLGLQKPII LNLVWVGLVSRLLVLYEGVLERLILLYEPLFGLLQEVARIQPMF YPKDFTFPSDIITFLGQPYFEAFKKKMPIAFAANGINKLINLPL LINEQSPRASEETLLGISKEAKQMKINQENVDLGQPVKMKRVF KRESSEPDVRAFCNQLKHKATQETSDFKCSQSRLKTKYSSQK VIGTPHAKSFVORFREARSFTQLSEBQMAMVWCRSKKLKAQAI FLGNKLLKSNRLKHLKAGGTSLPKLECIKTSICNHLRGSGIK TSKHLRQRBSQNKFLRQRKQKLOSTLLREIQQFSQGTAKS ATDTSARWRLSHCTVHRTDLYPNSKQLNSGVSMFVIQTKRMI HENLRGIHENETDSTWVMQINENSTSGTIKETDIDDIPALMGV</p>
6250	232	1306	<p>LAALHIMALPFRKDLKRYKDLDEDELLGNLSETEKQLETVLDD LDPENALLPAGFRQKNQTSKSTTGPDRREHLLSYLEKEALEHND REDYVPTTGKKGKFIPIKQKPVOTPTREKVSLEPRLERALTSA SDTELCDLAAILGMHNLITNTKFCNMGSSNGVDQEHFNSNVVG EKILPVDFEPNPTNVEESLKRTKRENDLHLEVNTIANIKNIPI TLKDFAKALETNTNTHVKCFSLAATRSNDPVATAFAEMLVNMTLK SLNVSNEFITGVGILALIDALRDNETLARKIDNQRQQLGTAVE LENAKMLEENTNLIKPGYQPTQGGPPTRAANAITNNDLVRKR VEGDHQ</p>
6251	62	972	<p>TPGSGPMSANAAASLSRAAARCLLARGPGVRAAPPPOPRPSHPR PRGCGAAPGRTHLPTAAVPAGHNKMSKVRHIGPKDVERSRIFPS KLCLNIRLAVKEGGPNPEHNSNLNILEVCRSKEMPKSTIRITAL KMHESKDTYLLYEGRGPGGSSLLIRALSNSSHKCOADIRHILNK NGCVMAVGARHSFDEKGVIVVEVDREKKAVHLERALEMAIEAG ABDVKTEDEDEENVPKPICDASSLHQVRKILDSLGLCSVSCAL EPIPNKSVQLABPDLEQAHLIQALESNHEVDVHVDNIE</p>
6252	27	1897	<p>EEFCTNLAIVRGEMETAPKPGKDVPPKDKLQTKRKKPRRYWEE ETVPTTAGASPGPFRNCKWRELPQRPENAYILKKSRIKSKPQV PKKPREWKNPESQRLSGAQDPFGPAFVPPVQKPCRIDKSR KLPHSKAKTRSRLEVARAREEETSICAARSEILLABPGFLEGE DGEDTAKICQADIVEAVDIASAAKHFDLNLKQFGPYRLNYSRTG RHLPFGGRGHVAALDWVTCKLMCEINVMEAVDIEPLHSEALL AVAQNRWLHIYDNQGIHLHCIRRCORVTRLEFLPHFILLATASE TGFLTYLDVSVGKIVAALNARAGRLOVMSQNPYNAVHILGHSNG TVSLNSPAMKPLAKLLCHRGVRAVAVDSTGYMATSGLDHQL KIFOLEGTYPFLSTRTLPHGAGHLAFSQRGILLVAGMGDVVNTWA GQKASPPSLEQPYLTHRLSGPVHGLQPCPFEDVLGVGHTGGIT SMLVPAGEFNPFDGLESNPYRSRQKQKQEVREALLKVPARLIC LDPRALAEVDVLSLEQGRKEQIBRLGYDPAKAPFPKPKQKGR SSTASLVKRKRKVMDEEHRDKVRQSLQQQHERRAKKPTGARPS ALDRFVR</p>
6253	27	1897	<p>EEFCTNLAIVRGEMETAPKPGKDVPPKDKLQTKRKKPRRYWEE ETVPTTAGASPGPFRNCKWRELPQRPENAYILKKSRIKSKPQV PKKPREWKNPESQRLSGAQDPFGPAFVPPVQKPCRIDKSR KLPHSKAKTRSRLEVARAREEETSICAARSEILLABPGFLEGE DGEDTAKICQADIVEAVDIASAAKHFDLNLKQFGPYRLNYSRTG RHLPFGGRGHVAALDWVTCKLMCEINVMEAVDIEPLHSEALL</p>

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			AVAQNRLHITVDNQGTEHLCTRECDVTRLEFLPFHFLATASE TGFITYLDVSVGKIYAALNARAGRLDVMSQNPYNAV IHLGHSNG TVSLNSPAMKEPLAKILCHRGVRAVAVDSTGTMTATSGLDHQL KIPDLGTYQPLSTRTLPHGAGHLAFSQRGLLVAGMGDVVNIMA GQGGASPPSLEQPYTLTHRLSGPVHGLQPCPFEDVLGVGHTGGIT SMLVPGAGEPNFDGLSEHPYRSRQROENRVALEKVPALIC LDPRALAEVDVISLEQGGKKEQIERLGYDPAKAPFQPKPKQGR SSTASLVKRRKRVMDREHRDVRQSLQQHKKRAKAKPTGARPS ALDRFVR
6254	155	1139	HALGRGCGSQBLSAAACGCFALRLAPGSCRPALAPGAAAFGL GGAPRFPFGGSAAGRTMLLETRYICMPLTVDEYKIGQLYMLSKH SHEQSDRGSGVEVQWEPFEDPHHNGQPTERRVYLSKLPSWA RAVVPKIFVYVTEKANNYPYTTITETTCGFLPKFSIHLETKYEDN KGSNDTIFDNRKADVERREVCPIDLACDEIPERYTERSEDPKHPK SEKTGRGQLREGMDSHOPIMCSYKLVTKFVWGLQTRVQGV HKVVRDILLIGHRQAPAWVDENYDMDVREYERQNMREQTNIK VCMHSSPVDDIESHAQST
6255	1	1444	PTEPQQLVSLATVIFVASQKALSVBSKAVIKQQLSESVNGWT VYRLARQAGRMGNHNAKELYQSLLTQVASKHPTFNLNSLKRFS HAEQCLTGLQENYSSALSCLAESLKFYHNGIASLTAASTPIPLN LSFQCFEVLRLDILLQAFSOLICTNSLRTSPPAIATTIAMTL GNDLQRCGRISNOMKQSMKEPRSLASRYGDLQASPDADSATLR NVELQQQSCLLISHAIEALILDPESASQHYGSGTGTADHSEYE REPMNSVYNHVLKEVESLHGKYTPVSYMHTACLCAIILALKVPL SPQRYFFQKLQSTSILALSPSPRPAKPIAVQNNQALALEVEG VVQHGSKPGLFRKIQSVCLNVBSTLQSKGQDYKIPIDNMTHEM BQVVEPHNDYPSTQPLLNFALLOTHNITVSSVXDANGIVWKIG PRITIFVKSLEDFYSQQLRLQQQQAQQLQQQQQRNAYTRF
6256	1	1542	CRQAGAEPAANPRSPRLVPSLESTSTSVPPAGTMTATSWALA VDEQEAABESLNLHLKEEKIKPDTNGAVVKTANAEKTDDEEK EDRAQSLNKLIRSNLVDNTHQVVLQDPNSFLYSVKSFEEL RLKPOLLIQGVYAMGPNRPSKIQENALPMLAEPQNLIAQSQSG TGKTAAPVLAMLSQVEPAKYPQCLCLSPYTELALQTKRVIEQM GKPYPEKLAYAVRGKLERGQKISEQIVIGTGTVLQWCSKLEK FIDPKKIKVFLDEADVMIATQGHQDQSIIRIQMLPRNQMLLP SATPFDSVWKPQAKVVPDFNVIKLKRRETLDTIKQYVLCSSR DEKFOALCNLYGATTQAQAMIFCHTRKTASWLAELSEKGHQVA LLSGEMMVBQRAAVIERPREGKRVLTNNVCARGIDVEQVSVV DNEFLPVDKDGPNDETTLHRIGRTRGFRGLAVRMVDSKHSN NILNRIQEHFNKKIERLDTDDLRIEKIAN
6257	210	615	AFIPAMAEIQQKLGQEVKYOQLQKDLSEMSGRQKLEAQLTE NNIVKEELALLDGSNVVFKLIGPVLVKQELGEARATVGRRLDYI TARIKRYESQLRDLERQSQEQRRTLAQLQEFQRAQAAGAGAPG KA
6258	210	615	AFIPAMAEIQQKLGQEVKYOQLQKDLSEMSGRQKLEAQLTE NNIVKEELALLDGSNVVFKLIGPVLVKQELGEARATVGRRLDYI TARIKRYESQLRDLERQSQEQRRTLAQLQEFQRAQAAGAGAPG KA
6259	2	1540	ILEKGFPSQCHPERKWKVDVLESSQENEDDHFNELLFHNKTV SVENGDRGSKTFNLGTDPVSLRNYPYKICDSCKMNLKNISGLTI SKKNCSEKPKDEFNVCERLLDIRHEKIPIGKSYKYDQKKNAI FVHQDLSQSPSQSFYSKNGQGFHDEAAPTNRKRSQIGBTVC YNECGRTPIRESLKNISQRPHEMERPGCSICGKSPCMNLRFGH QRALTNDNPEYNEYGELFCDSAPFIHQGAYTRKILREYKVS KTWKSAALLKHQIVHMGKSYDYNENGSNPSSKSHLTQLRRART GEKTFECGBOGITFWKSNLTQHQRTHTGKPYECTECGKAFQ

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			KPHLTNHQRTHTGKPYECKQCGKTFCKVSNLTHQRTHTGKPYECNACGKSPCHRSALTIVHQTHTGKPPICNECGKSFCKVSNLIVHQTHTGKPYKCNCGKTFCEKRSALTQHRTHTGKPYBCNACGKTPSQRSVLTHQRTHTHVKALSTS
6260	2081	1436	GTGPETHACAHASARAPGSRANALRELVCLLGDGTGVGKSSIVWRFVDSFDPHINPTIGASFMTETVQYQNELHKKPLIWDTAGQERF BALAPMYTSGSAAAIIVYDITKEETFTSLKNWVKLRQHGPPNI VVAIAGNKCDLIDVREVMERDAKDYADSIHAI FVPTSARNAINI NELPIBISRRIPSTDANLPGCGEGFKLRQPSSEPKRSCC
6261	3	1188	FWYRLGPQTSRNPREGSNAASLVPRGSPFAALVTSFPCPDPLR SPACEPCRPDFAFPALLLRSGPSPAPVTGKPAKQGPFPWPG MAEVSIDQSKLPGVKVCRDFAVLEDHTLAHSLOEQRIEHLAS NVORNRLVQHDILQAKQLQEBDLKAQAQLQKRYKDLBQDQCRIA QRIQEKLAIRAEERRIQEKDEDIARLLQEKELQEKKCKHFP EFPATRAYADSYTYEDGGMKPRVMKEAVSTPSRMAHRDQBNYDA BIARKLQEBELLATQVDMRAAQVAQDEBIARLLMAEKKAYKKA KREKESLDKQKQDPKPKTKAKAANSKSKESDEPHSENERPA RPPFPIMTDGADADYTHFTNQSSSTRHPSKSES9SHRGPHYKH
6262	2	1759	FBCHSQGLCSVHRPGKVPQARNGLVGLQDEPAGHRLSQEKIL GSTRLVSQGLKALASBHQAVLSQSIQTIECLQGGHEBGLVHEK ARQLRRSMENYELGLSEAQVMLALASHLSTVSEKQKLAQVRR LCQENQWLRDELACTQQLQSRBQAVALEBKKHLEFLQQLRQ YDEGHTSRKKEGDATKDSLDDLPFNEEREDPSNGLSRGQGATA AQCGGYEIPARLRTLHNLVIOYAAQGRYBVAVPLCKQALEDLER TSGRGHPDVATMLALVYRDQNKYKAAHLNDALSIRESTL GPDPFAVAATLNNLAVLYGKRGYKKAEPICQRALEIREKVLGT NEPDVAKQKHLNALLCQNOGKYBAVERYYORALAIYEGQLGPDN FIVARTKNNLASCYLKQGYABARTLYKELTRAHVQRFQSVDD DHKPINWHAERREMSKSRHGGTTPYARYGGWYKACKVSSPTV NITLRELGALEYRQGLKLAABTLEECALRSRQGTDPISQTKVA ELLGSDGRRTSQEGPGDSVKFEGGRDASVAVENSGDGSOTLQR SGLKLRDVLRR
6263	1	2408	RELDLSLADLPKRTKPPYANGLSTSHLRSSSVEDVKLIYSEGRPT IEVERCEMPSVICERTKQPQTISEESNQGSLLTVPGDTSFSPKPEVFSNVPERDLNVSNIHSSFATSPTCASNSKIVSADRNLIKNT APVNTVMDSPVHLEPSSQGVIONKSWEMFVDRLETLSRDPIC FNSNIPDQESSLQSPCNSENKVLKERNADFLSLRQTLPGNSCAQ DPASFMPQQPCSPSPQSLSDAESISKHMSLYVANQBPGLAQ KNAVQIISSALDTNBNSTRDTENTFVLGDVQRTDAFVPVYSDST IQEASPNFEKAYTLPLVPSKDPNGSDASTQLNTHYAFSKLTYK SSSGHEVENSTDTQVISEKENKLESILVTHLSRCDSDLCBN AGMPKGNLNBODPKHCPSEKCLLSIRDESQOSILSSLENHSQ QSTQPEMHYGLVVKLEKREABDDKTENQIPORMTRNKANTMA NQSEKILASCTLLSEKDSRSSSPRGRIRLTDDDPQIHHFRERK VSRVPQPVQVSPSLQAKKTKQSLAAIVDSLKLDEIQPYSSER ANPYFYLHIRKKIEKRLKCSVIPQAPQYXDEYVTPNGSYLL DGNPLSKICIPTITPPPSLSDPLKELFRQGEVVRMCLRLQHSIE RKKLIVSNEQVILRVHYRAARTLANQTLPPSACTVLLDAEVYNV PLDSQSDSSTSVDRFNARQFMSWLQDVDDKFKLETKCLLMRO QHEAALNAVQRLNQLKLQELDPATYKSIISYIEIQEPTVPLVD VNDDFELTPI
6264	143	1960	KHQEENALDMPAELHMTGPMCLTENTNGLVANPEALKILSAI TQPVVVVAIVGLYRTGKSYLMNKLAGEKNGFSLGSTVKSHTRCI MNMCVPHPKPEHTLVLLDTGLGDVKEGDNQDSWIPTLAVILL SSTLVVNSMGTINQAMDQLYVYVTLTHRIRSESSPDENENEDS ADPVSPFPDFVWTLRDFSLDLSDGQPLTPDEYLEYSLKLTOGT

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			SQDKHNFNLPRLCIRKPPFKKCFVDFLPFHRRKLAQLERKQDE ELDPFVQVQVADFCSYIIPSNSEKTKLGGIKVNGPRLSESLVLY INAISEGDLPOMENAVLALAQIENSAVQKALAHYDQMGQKQVQ LPAETLQKLLDLHRVSRREATEVVMKNSPKDVHLPQKLLAAQL DKRDDPCKQNEASSDRCSALLQVIFSPLEEEVZAGIYSKPGG YCLFIQKQLDLKKKYBERPRGIAEBTLOTTLKSRBSVTDAIL QTDQILTEKKKIEVECVKARSQAASAKMVERMQIKYQPMEEK EKSYQEHVKQLTKMERERAQLEBQKTLTSKLEQBARVLKER CQGESLQLEBIQKQLKTKKTKRYMSHKLKI
6265	143	1960	KHQENALDMAPRIHMTGPMCLIENTNGELVANPEALKITSAI TQPVVVVAIVGLYRTGKSYLANKLAGRKNKGPGLSTVRSHTGI WMHCVPHPKPKBHTLVLLDTBGIGDVKKGDHNDNRIPTLAVLL SSTLVYNMGTINQAMDQLYTVTELTHIRSKSSPDENEDS ADFSVFFPDVFWTLRDFSLDLEADQPLTPDEYLETSLKLTQGT SQDKHNFNLPRLCIRKPPFKKCFVDFLPFHRRKLAQLERKQDE ELDPFVQVQVADFCSYIIPSNSEKTKLGGIKVNGPRLSESLVLY INAISEGDLPOMENAVLALAQIENSAVQKALAHYDQMGQKQVQ LPAETLQKLLDLHRVSRREATEVVMKNSPKDVHLPQKLLAAQL DKRDDPCKQNEASSDRCSALLQVIFSPLEEEVZAGIYSKPGG YCLFIQKQLDLKKKYBERPRGIAEBTLOTTLKSRBSVTDAIL QTDQILTEKKKIEVECVKARSQAASAKMVERMQIKYQPMEEK EKSYQEHVKQLTKMERERAQLEBQKTLTSKLEQBARVLKER CQGESLQLEBIQKQLKTKKTKRYMSHKLKI
6266	276	1421	GSHQKQMLVPCFLYSLQNRKPSLYGSLTCQIGLGGIPEVTASE GPTVNEINKSIHISCPKENASSKFLAPYTFPSRIHTKSITCLD ISSRGGLGVSSSDGTMTKIWQASNGELRRVLEGHVFDVNCRRFP PSGLVVLSCMDAQLKIWSAEDASCVVTFEGHKGGLIDTAIVDR GRNVVSASRDGTARLWDCGRSACLGVLADCGSSINGVAVGAADN SINLGSFPQMPSEREVEGTAKMLLAREDKKLCGLQSRQLVF LPTGSDAFNCCTFLSGFLLLAGTQDGNIVOLDVSPRAPVQVIH RSGAPVLSLLSVRDGFLASQGDGSCFTVQODLDYVTELTGADCD PVYKIVATWEKQIYTCRDLGVRRYQLSDL
6267	3	622	LGMDKNNBAKRGPDQGNQPPAPPEKVGWVRKPGKGIPTETWR NRTVVLKGDQLYISEKEVDERNIQEVFDLSDYERCEBLRKS RSKKNHSEPTLAKSKQPGTAPNLIPLAVEPEEKESWINALNSA ITRAKNRILDEVTVKEDSYLAHPTDRRAKIQHSRRPPTRGHMA VASTSTSDGMLTDLIQEEDPSPEBPTSLC
6268	160	1368	HRELQNLPAGLSSALIDNPLTLLSIDTYVMLQEPVTFQDVAV DPSREENGILGPTQRTFYRDVMLETFGLVSVGWSTTLNKLRA PNSDIPERRPAPSLKVQSSRDCAISSLEDTLQGGVQEVQDTV LKQMSAQRDLQPKHFDNRESQANSALDTNQVSLQKIDNPE SQANEGALUTNQVLLHKIPPRKRLRKRSQVSKMHSKVKIHO KSCERQAKREGNCRRTFPRSTQITFIRIHKSQVCRCSBGK IFENPRYFVHKICHTGERPYVCQCGKGFVQSSSLTQEQRVHS GERPPECQECGRTPNDRSALSQHLRTHGAKPYKQDCQKAFRO SSHLIRHQRTHTGERPYACNKGKAPTQSSHLIGBQRTNRTKR KKKQPTS
6269	2886	1449	HASAPTRNNMAASPLRDCHAMKDARLPLSTTSNEACKLPDATT TQYVKNINDESIGGIEGCLSKRAADPTFVMGHAMATGLVLI GSSVKLDKRLDLAVKIMVEISRTQPLTRREQLVHSAVETFANGN FPIACRLMEQILQDHPDMLALKFSDHAYFYLYGQEQMRDSVAR IYFPWTPDIPLSYVKG IYSFGLMETNFDQAEKLAKAELSINP TDANSVHTVAHIEMKABIKDGLRPMQHSFTLWKSMDLACHNY WMALYLIERGEYBAALT IYDTHILPSLQANDAMLDVVDSCSML YRLQMEGVSVGQEWQVLPVARKHSRDHLLFNDAHPTMASLGA HDPQTQKLLTLRDASESPGENCQHLIARDVGLPLCQALVEAB

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			DGNPDRVLELLLPYRIVQLGGSNAORDVFNQLLIHAAINCTS SVHENVARSILMERDALKFNSPLTERLIRKAATVHLMQ
6270	23	2086	SVTVTLGSEHGDRPPFYHLEEMEDBPONGEPARTYIREAYKKA FLFVNKGLWTRDLGQKEBARNYTKQIGHLLAGISISSKREHT GPGWESARQMQRKKTQLQVRTELEILKELATSLQNDLQEVV KLYFEPPKDMCKELPEPQSFSSAPQHAVERGNTSTPSAGAVAA PASLSLPSQSCFARAPPAYTPQAAGHYTVSYGTDGSEFPSSVGE EPTRENSQPPPLETLGLDADELILIENGVOIIPFVNAGEVSAPS YPGYLRIVRFLMSLDTVLNRPPGFLQVCDWLYPLVVDSPVLK CTAGAYMFPDTMLQAAGCFVGVVLSSELPEDDERLFDLLRQMS DLRIQANWNRAREENFPQIPGRTRPSSDQKKEASGTDVRQLDQG NKDVRHKGKRGKRAKDTSSSEVNLSHIVPCFVPPEKPKELPEW SEKVAHNLSCASWVBNGLVKGAEITOKAIQKGAASKLERIQPE EKPVEVSPAVTKGLYIAQATGAARKVQFLVDGVTVCANCVGK ELAPHVKHKGSKLVPESLKDDKGSPLDGAMVVAASSVQGFST VWQGLECAAKCTVNVASBTVQTVRYKYGYHAGEATHHAVD SAV NVGVTAYNINNIKAMVKTATQIGHTLLEQYQIVDNSQRENQ EGAAVNVVRGKDEQTEVVRKAKKDK
6271	32	1058	GCCVKTAGVGRKKELSIHFVPGSCRLVEBEVNTPNRRVLVTGA TGLGRAVHEKFPQNNHWAQCOFRRARPKFQVNLDSNAVENH IIRDFOPHVIVHCAEERRPOVVEHQDAAASQLNVDAAGNLAKBA AAVGAFLIYISDYVFDGPNPPYREEDIAPPLNLYGKTKLDGKK AVLENNLGAVALRIPILYGEVEKLRSAVTVMFDKVVQFNSKSN MDENQORFPTHVKDVATVCRQLAERKMLDPSIKGTFHWSGHEQM TKYEMACAIADAFNLPSSHLRPTDSEVLGAQRPRNAQLDCSKL ETLQIGQRTPPRIGIKESLNPFLIDKRRQTVFH
6272	1136	528	GAVMEDAAAPGRTEGVLERQGAAPAGQGGALVELTPTPGGLAL VSPYHTRAGDPLDLVALAEQVQKADEFIRANATNKLTVIARQI QHLQEQARKVLEDAHRDANLHVHACHIVKPGNIYYLYKRESGQ QYPSILSPKEWGTSCPHDPLGAYKLQHDLSWTFYEDIRKQDARI SNMDTLISQSVLPFCIBPNFQGLTH
6273	256	843	SCPEVSPFCRSIGCCVWFSLPLMCSFDHRRGSCNGRPQDLKIA SAAHNSKCHPGAGAAARQHARTLWYDRPVYFMEFCVEDSTDV HVLIEHRIVFPCINADGVELYNBIFFYAKVNSKDSQDRSSRS ITCFVRKWKREIVANFRLTKEDIKPVNLSVDFFDNRDMBGDEBME LARVEHYAEVDMTYCVLPT
6274	56	1142	AAAMAAAGGGGAARSLSRFRGCLAGALLGDCVGSFYEAHDT VDLTSVLRHVQSLPDPGTPGSRTEALYTTDDTAMARALVQSL LAKRAFDEVDMAHRFAQYKDDPDRGYGAGVTVFKKLINPKCR DVFEPARAQFNGKGSYNGGAMRVAGISLAYSSVQDVQKFARLS AQLTHASSIGYHAILQALAVHLAQGESSSEBFLKQLLGHEMD LEGDAQSVLDARELGMERRPYSSRLKCIKGLDQASVTRKEVVS ELGQIAAFESVPTAIYCFLECMRDPBIPSAFNSLQRTLIYSI SLGGDTDTIATAGALAGAYYGIDQVPSWQSCBGEYETDILA QSLHRVPKGS
6275	20	565	SRRCRARCARGSERFVPRPAKTMFPMVKTWGGQLKNLGSLG GGEDKGGDKSAARAQMSREBYEYQKQLVREKMERDAQFTQR KAERATLASHPDKYRLPKNETDESQIQMAGGDVELPRELAKMI BEDTBEERERASVLGQLASLPGNLGSLKDKAQATLGDLQSAK KCHVN
6276	797	97	TLLPLPLPOTBGMIILNTGLEGTVAENPVPIVHTPSGNITLE SCIQLLATHPGHWIHLQIAEPALRPSLALLARLSSGLLEWP VNVGAKISHGSPVPGHVAGRELLTAVASVYPHVTVAPGWPREV LGSGYREQLLTDMLELQGLWQVSPQMQAMLLGHTAGAIORL LASSFRATVTVBMPAGGDYASVRTALLAARAVDRTRVYRLPO GYHKDLLAHVGRN

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6277	4600	2744	MAFRTEMGLYYSYFTIVEAPSEFLNGVMIMNDKLTETPLVINT LKRPNLYPEVILASWYRIYTKIMDLIGIQTKICWVTIGGLSP TESCEGLDGPACFYVAVIFILNGLMMAFPFIYGTTLSCSRLGGL VTVLCFFTEHGECEVWFTPLRESFSYFPLVQLMLVTHILRA TKLYRSLIALCISNVFFMLPWQFAQFVLLTQIASLFAVYVVG IDICLRRIYIHMISLALCPVLMFQNSMLTSTYASSLVIING ILAMQPHLEKINVEKSLAWIQGCPHLEGTILKYLTSKIPGIA NDARIHLLTSKFSYEDFDTLLYTCAAEFDFMEIKETPLRTKT LLLPVVLVGPVAIVRAIISDMGVLAKQQTIVKRRQPDHSELVY HALQLLAYTALGILIMRLKLFTHMCVMASLICSRLPGNLFPC KVHPGAIVFAILAMSIOGSANLQTNWTVGEFSLPQERLEBW IKYSTKPDVAFAGAMPTASVKLSALRPVNHHPHYEDAGLBART KITVYSMYSRKAAREVKRELIKLVNYIILEBSNCVRRSKPGCSM PEIMDVEDPANAGKTLCHLLVVDSEKPHFTTVFQBSVYKVLLEV KE
6278	3	823	ILPRVLVLSVYLINSVATEERKPABVLIVEGQQYAVVGTVLILL IRIILKYCQGVNHPISVTTIMLRLSDLLKYFNSRSCQLVLGAG ALQVVGLEKITTITMLALSSRCQLIVHYIPVIRAHFEARLDPKQ YSMLRHPDHTTDTMDHIAISAKLVAIMDSLEFKLLSKYEVKA FVPSACFRNICKQMTMREAIPLLPEEQTMPLERINASYKILH LKKQLSHLVINDGGPQNGLVTDVAFYTGNIQALEGLKDLIN HABINEQTR
6279	127	1687	GGAMASDGARKQFWKSNKSLPGSIQHVGAGHPFPDPLHGT LRSTAMPTTEVKAKRVSTPQEFESNTSDANDAGEDDDDELLAMA AESLNSVVMETANRVLRNHSQQRPTLOBGPGLQKPRPEAR PPSPSPGDLRLVKSVSSEHTSCPARSADAAPLQRSQSLPHSAT VTGGTSDPSTLSSALSPREASRLDERPQLLAGPNTDLEELRR LSWSGIPKPVRRNTWKLSCGYLPAFVDRRPAFLQKQKEYPAPI EHYDNRNDEVDYTRQIHIDIPRMSPRALILQPKVTRIFER LFIWAIRHPASGVVQGNLDLVTFFPVVFCYELREBEVDTVDS GVPAEVLCHTEADTYWMSKLLDGIQDNYTFAQPGIQMKVRLM ELVSRIDBQVRRHLDQHEVRYLQFAFQWNNHLLMREVPACTIR LMDTYQSEPDGFSHPFLYVCAFLVWRKRYLEKQDQELLILFL QNLPTAHNDDSDISLLASAYRLKFAFADAFNHYK
6280	857	2515	ECCDQMGSRNSSAGSGSDPSEGLPRGAGLRSEEREREDE DVDLAQVLAYLLRGGQVRLVQGGGAANLQFIQALLDSEENDRA WDGRLGDRYNPPVDATPDTRLEFNEIKTOVELATGQLGLRRAA QKHSFPRMLHQRERGLCHRGSPSLGQSRVISHPLPNDLGFTDS YSQKAPCGIYSKDGQIFMSACQDQITRLYDCRYGRFRKFSIKA RDVGSVLDVAFPTDGNHFLYSSWSYTHICNIYGEEDTHALD LRPDERRFAVFSIAVSSDGREVLGGANDGCLYVDRBQNRRTLO IESHEDUVNAVAFADISSQILFSGGDDAICKVDRRTMREDDPK PVGALAGHQDQITFDSEGDARYLISNSRDQTIKLWDIBRPSSR EGMEASRQAATQGNWYRNQVQPKAWRELKLPDSSLMTYRGH GVLHTLIRCRFSPIHSTGQQFTYSGCSTGEVVVYDLLSGHIVK LTHKACVRDVSHPFEKIVSSSWDGNLRLWQYRQAEYFQDDM PSEECASAPAPVQSSSTPFSSQ
6281	857	2515	ECCDQMGSRNSSAGSGSDPSEGLPRGAGLRSEEREREDE DVDLAQVLAYLLRGGQVRLVQGGGAANLQFIQALLDSEENDRA WDGRLGDRYNPPVDATPDTRLEFNEIKTOVELATGQLGLRRAA QKHSFPRMLHQRERGLCHRGSPSLGQSRVISHPLPNDLGFTDS YSQKAPCGIYSKDGQIFMSACQDQITRLYDCRYGRFRKFSIKA RDVGSVLDVAFPTDGNHFLYSSWSYTHICNIYGEEDTHALD LRPDERRFAVFSIAVSSDGREVLGGANDGCLYVDRBQNRRTLO IESHEDUVNAVAFADISSQILFSGGDDAICKVDRRTMREDDPK PVGALAGHQDQITFDSEGDARYLISNSRDQTIKLWDIBRPSSR

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			EGMEASQAATQCAWDYRWQVFKAWRLKLPQDSSLMYRGH GVLHTLRCRFSPIHSTGQQFIYSGCSTGKVUVYDLSGHIYVK LTWKKACVRDVSHPFEEKIVSSNDGNLRQYRQARTFQDDM PESEECASAPAPVQSSSTPFSSPO
6282	125	906	RMAACRAKAVLVDSLTGHIHDAVPGAQEALKRIRGASVIIR FVITTTESKQDLRLRLKLEFDISEDRIFTSLTAARSLERQ VRPMLLVDDRALPDRGIQTSDFNAVVMGLAPERPHYQILLQAF RLLDGAPLIAIHRARTYTKRKDGLALGPGPFVTALEYATDTKAT VVGKPKTFPLEALRGTCPEPAVMIGDCRDDVGGADVCML GILVETGKYRASDEKINPPPYLTCESTFHAVDHILLQILL
6283	140	1043	LSLPGTHVMNPFMSMSTSSVRKRSEGEKRTLTODVKTSPPRTAP KKQLPSIPKNAIPITKPTSPAPAAQSTNGTHASYGPFYLEYSL AEPTLVVKQLPGVYVQPSYRBAIMNFGVIFIRHGLYODGVKFP TVYIPDNYPDGDGCPRLVFDIPVFEPLVDPTSGELDVKRAFAR RNEHHIQVLMYARRVYKIDTASPLNPEAAVLYEKDIQLPKSK VDSGVKCTARLPDQPKIRDYALSPSPNPSVHDEAREKMLTO KKKPSQHNKSVHAGLSWVKGSVQPFSEKKTIVAT
6284	1	2879	RSVIPGSTISSRNFGLSRPPFMAAHENDWQREELGQISDIRV QNLQVERENVOKRTFTFWINLHLEKCNPFLEVKDLFVDIQQCKI LWALLEVLSGENLLHRYKSSSHRIFRLNNIAKALKPLEDSNVKL VSIDAARTADGNPSLVGLIWNILFPQIKELTGNLSRNSPSS LAPGSGGTDSSSFPPTTAERSVAISVKQKRAIKALLAWQOR KTRKYGVAVQDFAGSWRSGLAPLAVIKADPSLVDMKQALENST RENLEKAFSLAQDALHIFRLLPEPDMVDTPDQSIMTYVAQFL ERFPELEARDIPDSDEKVPJESTFVRIKETPSQESKVPVLTEN CERTYTVNHTSHPPPSKVFCOKPESWKEPRLDGVSSHASDS STEFMHQIDQVLQGGPGRSTDISRPSPESSILSRKNGRSNS LEIKETVEFEADTYKDPFCCKNLSLCFEGSPRAVAKESLRQDGHV LAVEVAEEKQXQESSKIPSSSDKVAGDIFLVEGTNNNSQSS ONGALESTARHDESHSLSPGENTVMADSPQIKVLMITVRALE EGDYFPAIFLWASKFNSDLIDPASTSQAFNKPVSDETHKPDEDA EAFENHAKLCYRSIRBAHKKDSPEQVQMDKHEPHQDSGREA EGCPSAPRETPVDKPKPEVBEKAKRKSTRPHYREBEGEDDLQGVG EELSSSPSSCVSLETGSHSEBGLDFKPPPLSKVSVIFEDLP YPPHYEVPLAAVLKAYVEDPEDLKNEMDLKPEPGTMDLDSRS READGSQSSSSSVPGESLPSASDQVLYLSRGVGTTPASBPAP LAPHEDHQQRRTKENDPMDSHQSQESPNTLEIANPLEENVTKES IESKKKKRKHVDHVESSLFVAPGSVQSSDOLREDSSTYSIPSR TEHSDSSIYLRHHTHRSRSDHPSLCSVEERSRSG
6285	2157	1331	SKRTNLLMMNFPQGLSPLPSALVITWTSAAFIPIFYITAVTLEH IDPALFYISDTGTVAPEKCLFGAMLHIAAVLCIATYVRYKQVR ALSPRENTVIRKNEAGLVIGILSCLGLSIVANPQRTTLFAHVS GAVLTFGMSLYMEVQITLSYQAPKIRGKQVFWIRLLVITWG VSALSMITCSSVLHSCNFGTDLQKLEHNPEDKGYVLHMATTAA EWMSPSFPGFFLTYIRDPQKISLRVEANLHGLTLYDTAPCPIN HERTRILLSRDI
6286	1619	276	KAGASCCSSANFVSVGKSCVLLAMAQLQTRFYTDNKKYAVDDV PFSIPAASEIADLSNIINRLKDRNEFKHVBDFLIKQQLRM PLDKHEMENISSREVVIEHYVEKYTAPQPEQCMFHDDWISSIK GAEHWILGSDYKTSRINSLEKSIIMTIVGHTDVVDVANVKKD SLSCILLASMDQITLLWENNVERNKVRALHCCRGHAGSVDSIA VDGSGTIFCSGSWDMKIMSTVPTDEEDMEERSTNRPKPKQKT EQLGLTBTPIVTLSGNEAVSSVLNSDABEICSASWDBTIRVWD VESGSLSTLTGNKVPNCISYSPLCRLASGSDRHRILNDPRT KDGLSVLSLTSHTGHVTSVKWSPTHEOQLISGSLDNIVKLDWT RSCAPLYDLAAHEDKVLSDWTTDTGLLSGGADNRLYSRYSP

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			TISHVGA
6287	278	1482	<p> HQFFPNFOICLRSTSGKREYSGDAGFLGDALQLFLQCLALDRDF APARKVQKILCDLLPENLKEGLKESSESLPCTKRRPDPFHS VMRESQSLNEPSPKQSEELPVTSEPEVGSINRAQSAQSINSTE MPAREDCLEKRVSSSPVLSVQKRGVLLKRLSLLEQDVIVNEGR HLEKKGQETPNKVMCFSLATGDIPEELIDVSDFECSLDMRLPPE PVTTPCGHSPCRNCLERCLDHAFCPLCKESLKYTLADERYCVT QLEELIVKYLPRDLSEKKIYDEETARLSHLTNNVPIFVCINA YPTVPCPLHVPFPRYRLMLRESIQGTGKQFGACVSDTQNSPADY GCMQLIRNVHFLPDGRSVVDTVGGKRRFVLKRGMDGYCTADIE YLEOV </p>
6288	1	743	<p> VTLYPCRGVLGNLLGASGNASGCKIGPSILNSDLANLGAECLE MLDGADYLLHLDVMDGHFVFNITFGHPVVSLEKQLGQDPFFDM HMVSKPEQNVKPMVAVAGANQYTFHLEATENPGALIKDIRNGM KVGLAIRPGTSVEYLAPMANQIDMALVMTVEPGFGQKPMEDMM PKVHMLRTQPPSLDIEVDGGVGPDTVHKCAEAGANNIVSGSAIN RSEDFRSVINLLRNVCSAAQKRSLEDR </p>
6289	1	743	<p> VTLYPCRGVLGNLLGASGNASGCKIGPSILNSDLANLGAECLE MLDGADYLLHLDVMDGHFVFNITFGHPVVSLEKQLGQDPFFDM HMVSKPEQNVKPMVAVAGANQYTFHLEATENPGALIKDIRNGM KVGLAIRPGTSVEYLAPMANQIDMALVMTVEPGFGQKPMEDMM PKVHMLRTQPPSLDIEVDGGVGPDTVHKCAEAGANNIVSGSAIN RSEDFRSVINLLRNVCSAAQKRSLEDR </p>
6290	3	1856	<p> TLGRNMLGVYETVAPTCLAPPLRRRRRRRRRRRRIISRYTRKA VPQSLSLRGITKHALNKHPPPKLEBISPTSDSHEKDTSSQSKS DITRESSPTSADTGNISLAFPTSTTGAGISTEGSSDFSWGYGELD QNATEKVQNTPTAIDELLYEQKLSVHTKSLOECCQQTASFPHL RILGRQIITPSEGYRLYPRSPSAVSASYETTLISQERDSTIPGIR GKGLHFGSSVAHKASSIAKSSSPCSMERDERDSIIVSEGIIEEY LAFDHIDIERBPHGKKSRAATREKQKLYPPIAFVYCMKRDVLAV VFDVNVCKVUSCMEQLTRSHNEGFASDDSNVAVTRPDSSESCV LSEKLPVLVPEVQSKVLYITSTPMSCLOASRHQPNVNDLLVHG MFLQPRNLSIMDKLLDLDKLLMRPGSSTTLSTRNPNRAVEFS TSSLSYTVQSTRRRNPPPTLHPISTSESCAETPRSVETILAGA RVFVAPDSLSFSPPTPLSRNLLFPPIGTAEVENVSTVGPOROMK PHEDSSRAQSASVDEPNYQQPQERILLPDEFFPRPNTQSFLIDT QTRRS CAVEYFHQARPGEBSAGPOLHGSTKSQSGEPUSRTROG P </p>
6291	1732	602	<p> LVAKMASSASARTPAGKRVINQERLRRLMKKQRLSTSEKRIES PFAKYNRLQQLSCALCNTPVKELLQTHVLGEQHRERKVAELKG AKRASQGSSEASSAPQSVERKAPDADDQVKRAKATLVQVQVST SAWTINFDKIGKEFIRATPSKPSGLSLLPYEDEKEKEKESEGD GERKRGDASKPLSDAQGEKHSVSSSEVTSSVLFPNDFFSTNPPK APIIPHSGSIEKAEIHEKVVERRENTAEALPEGFFDDPEVDARV RYVDAPKDKMDKEWDEPOKAMQVNTISEAIVAKDEDEGRLDRO IGEIDEQIECYRRVEKLRNRQDEIRNKLKELTIKELQKKEEN ADSDDDEGLQDILLSQDWRVREGALL </p>
6292	1835	1142	<p> TPCGAMKMWAPWTRFYNSNCCLCCHVKTGTILLGVNYLIINAVV LLILLALADPDQYNFSSSELGGDFEFMDANHCIAIAISLMI LICAMATYGAKQRAANIIPFFCYQLFDALNMLVAITVLIYPN SIQYIRQLPFPFPRDDVMSVNPTCLVLILLFISILITPRGY LISCVNWCYRIINGNSSDVLVVTSTNDTIVLLPPYDDATVNGA AKPEPPPPVSA </p>
6293	2382	1035	<p> FWCTLGTVDPHPIGWCAINSKILVPPRTIHAKFTDWKGYLMKRL VGSRTLVPDFHMKVSEMKYPPRQGMRLKVVDEKSVSRTMAVV DTVIGGRLRLLYEDGDSDDDFWCHMNSPLIHPVGWSRRVGHGK </p>

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			MSERESDMAHHTPTFRKIYCDVFFYLFKKVRAVYTBGGNFRBGMK LEAIDPLNLGNCVATVCKVLLDGYLMICVDGSPSTDGLDWPFCY HASSHAIFPATFCQKNDIELTPPKGYRAQTFNWEYLAETESKA APSRLFNMDCPNMGFKVGMKLEAVDLMRPLICVATVKRVVHRL LSIHFDGWDSEYDQWVDCSPDIYFVGVNCHLTGYQLQPPVAARP ATPLKAKEATKKKKQFGKRRIRIPPTKTRPLRQSKKPLLEDD PQARKISSEPVPGETIAVRVKRHLVDASPDKASSPELVSVE WIKQSTDD
6294	354	1814	AQLTTRGRTVAGGVWVIPSPPFDLELYSCCLGTDRGFFELSHHC ENVIATASDYDMABITNIRPSFDVSVVAGLIGASVLVVCVSVT VFVWSCCHQQAERKKHNPFFKFIHMLKGISIYPTLSNKKHIIK VRRDKDQGPCREGGRNLLVDAABAGLLSRDKDPRGPSGSCIDQ LPKMDYGEELRSPITSLTPGESKTTSPSSPEEDVNLGSLTFSV DYNPKKALVVTIQEAHGLFVMDQDQGSDFYIKMTILPDKRHR VTRVLRKTLDFVDEDTFTFYGIPIYSQLODLVLAHFLVLSDFRS RDDVIGVVMVPLAGVDPSTGKVLTRDIKENTQKCLSRGELQV SLSYQFVAQRMTVVVKARHLQMDIAGLSGNPYVKVNVYGRK RIAKKTHVKRCTLNPIFNESPIYDIPTDLLPDLISIEFLVIDFD RTTKNEVVGRILICARSVTASGAKHREVCSPKPKVAKWBSLS BY
6295	2795	617	VSSALLTGATSGSDAAKSEGSASPLSCINAVAMDRPDEGPPAK TRRLSSRSQORDPPPPPPFFLLRLPLPPQQRPRLOQSTRAA QVLADMRGVGLGPPALPPPPPTVILEEGGIRAYFTLGAECPGWD TIESGYGRAPPTRESLEALPTFRASGGSLBIDPQVUQSSSPGGE GALETCSAVGWAPQRLVDPKSKERRAIIIVDEDEDERESMRSSR RRRRRRRRKQKVKRRESERNARMSILQALBIDQLEAVNI KAGKAFLELRKFPQMRRPPLERRDLIIQHIFGFVWKAFLNHR ISILINRRDEDIPRYLNLQVQDLRHISMGYKMLYFOTNYPYT NMVIVKRFQNRSGRLVSHSTPIRWHRGQEPQARRREGNODASH PFSWFSRHSLEPRADRIABIKNDLWVNPFLYYLREGRSRIERK QEMKRRKTRGRCEVVMEDAPDYVAVEDIPSEISDIDETIHDIK ISDPMETTOYFETTDNEITDINENICDSRNPDEHEVFNEDTDN NESADDEHTTDNNEASADDNENPDKNKNTDNENPNMNTTY GNFFKCGFWCSHCNNQSSDSNDEADEASDDDEDNQGNEQDNBQ SDDGNEGDNEGSDDDDRDIEYKKEVIEDPKDKQADYEDVIEII SDESVEBEGIEBQIQQDEDIYBEGNYEREGSKDVWEEGDSDDS DLEDVLQVPMGNWNPGRKGTG
6296	727	1199	RHCGCDAQGACDSLPTGTSSPVITARNAIPEARCCVWLLDGTTV EAVRPARERLARKKLQKRMQQFSRDSAYSSNKDSTCLLTERDT LGTSLOPPSPFSGTISFGSPSDSGIFPLGSQCCLGPQQPSISGK KVALIHKRVRLSVFGARWRIYPOK
6297	1	922	QRAAASFSBGGPRGAEYGAIMEGYWRPLALLGSALLVGFIS VIFALVWVLYHREGLGNDGSALEFNWHPVLMVIGFVFIQGIAT VYRLPWTWCKSKLIMKSIHAGLNVAAILATISVVAVPENHVN NIANMYSLSHNVGLLAVICYLLQLSGFSVFLLPWAPLSLRAFL MPIHVYSGIVIFGTVIALALMGLTEKLIPLSRDPAYSTFPPEGV FVNTLGLLLIVFGALIPWIVTRPQWKRKPEPNSTILEPNNGTEQ GARGSMPAYSGNNMDKSDSELNNEVAARKRNLADEAGQRSTM
6298	3	985	SVPLRRLSLSGTLQAGTTTKMAVARLAAVAANVPCRSWGAARV PFGPHRGLSVLLARIPORAPRWLPACRQRTSLSFLLRPDLNLA YKLLKGESPGIIFIPGYLSYNGTKALAIIEFCKSLGHACTRFD YSGVGSSDGNSESTLGRKRDVLSIIDDLADGPQILVGSISLG WMLHAALARPKEVVALIGVATAADTLVTFPNQLPVELEKKEVM KGVMSMPSKYSEGVYVNVQYSFIKEAHHCLLHSPIPVNCPIRL LEGMKDDIVPHTSMQVADRVLSTDDVILRKHSDBRMREKADI QLLVYITDDLIDKLSTIVN

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6299	512	814	ECDEGIMPVVTISLSLPTNGSLQDILVHPCVTSLSAAILTSS SIDAMDCSAFSGPYKPTPTPLESPNLCPTTSQVPPVPILGPHYQ MKKEBVQLRHH
6300	121	692	AAPSCNSQRGVPAAGTSSPRLLVSRRAAPSAQPMGAWRQGARA AQSPFSIPNCSGVYQSGQSVHSSPEDGGGORDRPVGGSPGGPR LVIGSLPAHLSPPMFGGFKCPVCSKPVSSDEMDLHLMCLTKPR ITYHEDVLSKADAGECAICLERLQQGDTIARLPCLCTYHRCCLDE WFEVNRSCPEHPSD
6301	616	284	GKFPVFNWEPQPLFPFKYLRCYRCLETKRLGCLIGSDYCLTP AGSSCITLHKNSGSDVMVSDCRSKBMSDCSNTRTSFVSGFW IFSQYCFDFCNDPQNRGLYTP
6302	490	745	IPGLHLFPMEHSFLNVCALFAHVFPSSSCGSSVLESDFCLLS PVLNFCFLGDLRPLDLRYAQLRYALSERLOALNDMTSL
6303	2	1961	YKNEYGGGLLWQSWQKHPGQALSSEFPNFPDTKREWBQHSOL XNYLLEQFYWEAGQWTFDASQSCDITDTTSRTADDKNDKCM KVDLVSLSSPIMGUNDSSGTSKXHSKILDCISNKLNSSEVT QSQLDSCSTSHDGHQQLSEVSSREKCPASQSEPRNGGTNEESNS SGNTNTDPPAEDSQSSGANTSKDRPHASGTDDDESEKDPPEHK PSHLKRSHELDIDENPASDFDSSGSLGPKYSGGQKYGGI PNFS HRQVRYLEKRVKLSKYLDMRRQIRMKNRHIFFTKSEKPPFKK SKILSKVEKFLTNVKNKMDKRASQSSSHDGHDASTSCDSERQ DMSVKKGDDLLTNNPEPEKCSQSVSSAGLETKENYKRSLLATV PDEODCVTQEVFDSRQAEAEVKKKKKKKKKKKVNGLPBPIAA VPELAKYNAQRYRLPSEFDDGKILDBEGWFSVTPEKIAEHIAGR VSQSPKCDVVDAFCGVGGNTIQFALTGMRVIAIDIDPVKIALA RNNAEVYGIADKIEFTCGDFLLASPLKADVVFLGPPWGGPDYA TARTFDIRTMSPDGFIFRLSKKITNNVYVFLPRNADIDQVAS LAQPGQGVVEIBQNFLENNKLTITAYFGDLIRRPASET
6304	1	1438	HRARVDRSRESFGDRLKHPGRVRRTITLSQHPRLSTQHVLLRE DEVGDPGTDLGHPQHGSP IQETQSEVVTLVSLPGSDMAALPA WRATSGLTLNPHTAEGRDLLGAENRALTGQQAEDPTLASGAYQ WPGSVKLGQSVWCDAETLLSSSKTGGQAPPWLTDEHVQMLRL AQGEVVDKARVPAHQVQLVGFSTRALQDLSSPRLSQCSCGL CGLIKRPGDLPEVLSPHVDRVLGLRSLPAVARRPHSPLLPTRY TDGARPVTHWAPDVQHLSDPDEDQNSLALGNLQYQALLAHSCH WPGQAPCPGTHHTWARLALFDPLAQVDRDLRYCCGFEPSPSD PCVEERLREKCRNPABLRVLVHILVRSSDPSELVYIDNAGNLQHP EDKLNFRLLLEGIDGFPESAVKVLASGLQNMLLASLQMDPVFW SOGGAQCLKQVLQTLBQRQVLLGHIQKHNLTLPDEDP NMIWGRSTYRPPRESVFPFLIGPMLEPGDEEPQREPPPTB RDPAPGQREEDQGAETQVPDLADLQELSQSKTGDECGDGPD VQCKILTSEBQPMPEGR
6305	99	420	
6306	1	1874	PTPSPVKVPHTFLHSYTRPTVCDACKLLKGLPQGLQCKDC KFNCHKRCATRVFNDCLGALINGDVPMKEATDPSBADSALMD ESDSGVIPGSHSENALHASKEEGEGGKAQSSLYIPLMRVVQ SVRHTTRKSSSTLRECVVHYSKDTLRKRYWRDLCKCITLPQ RNTNRYKRIPLSEILTVEAQWPSLVPPGTNPHCFRIVTANA TYPVGMPCGTPGGSPGQGAERAGNETAIRQALMPVTLQDAPS APGHAPHQASLSISVNSQIQENVDIATVTYQIFDEVLGSGQF GVVYGGKHKRTGRDVAVKVIDKLRFPTKQESQLRNEVAILQSLR HPGIVNLECMFTPEKVFVVMKLEHGMLEMLSSSEKRLPERL TKFLITQILVALRHLFPKNIHCDLEPENVLLASADFPQVKLC DFGPARIIGKSFRESVVGCTPAYLAPEVLLSQGYNRSIDMNSVG VIMYVLSGTFPNEDEDINDQIQNAAPMYPASPWHISAGAIID LINLLQVEMRRKRYSDKSLSHPWLRVQYQVTLDLRELEGRMGR YITHESDDARWEDFAAEHPLPGSGLPTDRDLGACPPQDHMQG

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6307	2136	589	LAERTSVL CFLPRGRDPPEPEAGAAAPCAPGAPDMSFRKVVQRQSKPEHVF QPVKNDQCYEDIRVSRVTWDSDFCAVNPFLAVIVEASGGGAPL VLPLSKTGRIDKAYPTVCGHTGPFVLDIDWCFHNDVLIASGSDC TVMVWQIPENGLTSPLTEPVVVLGEETKRVGIAMHPTARNVLL SAGCDNVVLINWVGTAELLYRLDSLHPDLITVSWNHNGLFCS ACEDKSURIIDPRGTLVAEREKAEHGAHPMRAIFLADGKVFTT GFPRMSERQLALWDPENLEEFMALQELDSSGALLPFYDPTSV VYVCGEGDSSIRYFEITEEPPTIHFPLNTPTSKEPQMGMSMPKR GLEVSRCBIARPYKLHKKCEPIVMTVPRKSDLPODLYPDTAG PEAALEAEWVSGRDADPILISLEAYVPSKQDLKISERNVLS DSRPAMAPGSSHLGAPASTTTAADATPSGLARAGEAGKLEVM QELRALALVKEQGGIRICRLBQQLORMENGDA
6308	2	1118	GRTPRPRKMLSLVLTHTSMRYLLPSVVLIGTAPTYVLAWGVNR LLSAPLPAFPTQALDRLCYVQSMVLFPPNTTGVQILLYGD PENKENTIYLAKHQSTVDNIVADILAKQNALGHVRYVLKBLK MLPLYGWYFAQGGIYVRSARFNEKEMRNKLQSYVDAGTPMYL VLPFGTIRYNPQTKVLSASQAFAPQRLAVLKHVLPRIKATH VAFDCQWYLDATYDVTVVYEGADDGQQRRESPTWTEPLCKECP KDHLDRIKIDKDVPEEGEDMRHLEHPRFKDKKGLTFYESPD PERREKFPGRSVNSKLSIKKTLPSMLILSGILZAGMLMTDAGRKL VVTWITVYGLLGLCMLVMTIKA
6309	220	563	LVAEVKEPCSLPMLSDVMENKENGSGVGVNKMENGRPPDPADWA VMDVVNYFRTVGFEEQASAFQEQEIDGKSLLLMTENDVLTGLQL KLGPALKIYRTHVKPLQTKHLKNS
6310	36	979	GPRCWFLLTSSVNCETLRIGKAWPQSSGQRYWTPTHTSSASE AQRGSLASLNVAAAGLWADCDQPLYDCPMGLICTNYHLLQEHV DLHLENSPQGMDRVQCSDQLLAHQLOQESDRKRRESRQES IEEPQKLQRQGLDNGGYEQQLRNMBIEVNRGRMPSPFHR KADMMESLALQFDGKTCTSGIIEALHRYQNAATDVRVWLSS VVDHFBSSLGDKGCGYRNFQMLSSLLQNDAYNDICRGLIP CIPRIQSMIRDAWKEGPDQASQLIIRLQGTAKWIGACEVYLL LTSLRV
6311	1	675	PVWNNSCGPRALAAARTGHGVGRARLACIGEPVKAAMVLT ASKLRDDGLKGSRTAATASDSTRVSVRDLVKBVARLEANL PCTCKVFPDPNKLECPQLTVTPDEGYTQGGKFPQFETEVPDAYN MVPPKVCILTKIMHPNITETGBCILSLRHSIDGTGNAPRTL KDVVWGLNSLFTDLLNPDPLNIEAASHLRDKEDFRNKVDDYI KRYAR
6312	213	1400	GDELVKREAGMMLPGVGVPGTGSSARVLPVLLAEGSPTVEALW GCTERRAQQLAKRMNTAFTSRTDDILLRQDVLDVCISIPPLT RQISVKALGIGKRVVCEKAATSVDAFMVTASRYYPQLMSLVGN VLRPLPAPVRMRQLISEHYVQAVMICDARIYSGSLSPSYGNI DELGGGGLHTMGTYIVDLLTHLTGRRAKRVHGLLKTFRQNA IRGIRHVTSDDFCFQMLGGGVCSVTLLFNMFGAFVHEVMV GSAGRIVARGADLYGQNSATQEKLLRLDSLAVGAGLPEQGPQD VPLLKGMVVMVQALRQSPQCGDRRTMDRTFVSMAASFEDCL YMQSVVDALIKRSSRSGEWEAVEVLTREPTDQNLCEALQRNLL
6313	2	2071	QRSGAARLAFLPSPSPACVHRSPLSFGHCWFTFVVVFMPLGLV FHRRAHGCTLSGSSPVEQPTAMBAETMECLQSFEHHTMILD RLNEQRBDRTDITLIVDGHFFKAHKAVALAACSKEFFYKPFQEF TQEPLVBIEGVSKMAFPHLIEFTYTAKLMIQGEERANDVWKA FLQMLEAIKALEVRNKENSAPLENTIGKNAKCKIAETSNVI TSLPSAESKPVIEVLEAGTIEVDEGTETLEEVASAKQSVK YIQSTGSSDSDSALALLADITSKYRQGRKGQIKEDGCPSPDPTSK QVGEIEIVELQLSHVDLPHCEKCNRSFKLPYHFKHMKSHSTE

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			<p>SFKCEICNRYLREESAWKQHLNCTHLEGGVSKKQRTGKKIHVC QYCEKQDFHGFHFKHRLRRHTGKPFCEPNCHEFFARNSTLKCH LTACQTVGAKKGRKKLYEQVCNSVFNNDQFKDHLVIHTGDK PNHCTLCDLWFMQGNELRRHLSDAENISERLVTEVLSVETRVO TEPVTSMITIBQVGKVVHVLPLLVQVQVDSAQVTVQVHPDLQDS QVHDSHMSRLPQVQVSYLEVGRITTEGTEVHVVEELHVRVNO MFVEVQTELLRADLDHVTPEIMNQERESSQADAAEAAREDHED AEDLETKPTVDSBAKKAENEORTALFVLE</p>
6314	2	2071	<p>CRSGAARLAFPLSPFSPACVHRSPLSFHCNFPYFVVVFMPLGLV FRRRAHGCCTLSCSSFVEQPTAMBAERTMECLQEPFPHHMMILD RLNEQREQDRPTDITLIVDGHFPAKKAVALAACSKFPYKPFQEF TQRLPVEIEGVSKMAFRHLIEFTYAKLMIQGEENADVWKAAB PLQMLEAIKALEVRNKNNSAPLEENTTGKNEAKKRIARTSNVI TESLPSARSEPVIEVEIABGTIEVEDGIEITLEVASAKQSVK YTQSTGSSDSDSALALLADITSKYRQGDRIKQIKEDGCPSPDPSK QVEGIEIVELQLSHVKDLPHCKCNRSFKLPYHFKHMKSESTE SFKCEICNRYLREESAWKQHLNCTHLEGGVSKKQRTGKKIHVC QYCEKQDFHGFHFKHRLRRHTGKPFCEPNCHEFFARNSTLKCH LTACQTVGAKKGRKKLYEQVCNSVFNNDQFKDHLVIHTGDK PNHCTLCDLWFMQGNELRRHLSDAENISERLVTEVLSVETRVO TEPVTSMITIBQVGKVVHVLPLLVQVQVDSAQVTVQVHPDLQDS QVHDSHMSRLPQVQVSYLEVGRITTEGTEVHVVEELHVRVNO MFVEVQTELLRADLDHVTPEIMNQERESSQADAAEAAREDHED AEDLETKPTVDSBAKKAENEORTALFVLE</p>
6315	1	1015	<p>LGLAVNVVPTLVLSYCPTATREAPYWTYLLCALGLFIYQSLDA IDGQARRTNCSPIGELPDHGCDSLTVFMAVGASIAARLGT PDWFFSCSPIGMPVPCANQTYVSGMLRPGKVDVTEIQIALVI VFVLSAFGQATMWDYTIPILEIKLILPVLFLOGVIFSCSNYF HVILBGGVGKNGSTIAGTSVLSPLGLHGLIILAIMIYKKSATD VFERHPCLYILMFGCVFAKVSQKLVVAEMTKSELTLQDTVFLG GLLFLDQYFNNFIDBYVVLMMAMVISSYDMVIYFSAICLIQISRH LHLNIFKTACHQAPQVQVLSKSHQNNMD</p>
6316	1503	792	<p>VSAGAGTGLMGTTSTTRVTFRADENENTTVKGYRLSENVDR MKSSPSGSKSQRYSGAYGASVSDRELKRRVARELALBQAKES EDQKRLKQAKELDRRAAANEQLTRATLKERICSSEERAKAKHL ARQLEKKDRVLEKQDAFYKEQLARLEERSSEFYRVVTEQYQKAA EEVEAKPKRYESHPCADLQAKILQCYRENTHTLTKCSALATQY MHCVNBAKQSMLEKGG</p>
6317	102	839	<p>PRAQTSAVLABRKHLPINRHEAPMOMASADARYGQKDSIDON FDYMFELLIIGNSSVGKTSFLFRYADDSFTSAFVSTVGIDPFVK TVFKNEERIKLQINDTAGQERYRTITAYYRGANGFILMYDITN BESFNADVQDNSTQIKTYSMDNAQVILVGNKCMEDERVISTERG OHLGEBQLGPEFFETSAKONINVKQTFERLVDIICDMSSESLTD PAITAAKQNTLKECTPPPPQPCAC</p>
6318	1765	733	<p>PNHPLETLPILHHPHPPRAREGREGADSMHLFGLRLRRAPPL LGPLISPPPLPAGSWHROMLRSSLRFPITNSAGAPCKAAGRNI LAPVRRDRVLAELPQCLRKRAALHGHEDFHPRTVCACQEHRTGT VGPKISKVIVVGDLSVGKTCILRRPCKDTPDRNYKATIGVDPEM ERPEVLGIPFSLQMDTAGQERFKCIASYYRGAQAIIVFNIN DVASLEHTKQMLADALKENDPSSVLLFLVGSCKDLSTPAQYALM EKDALQVAQEMKAYNAVSSLTGENVRNFFFRVAALTPEANVLA ELEKSGARRIGDVRINSDDSHLYLTASKKPTCCP</p>
6319	88	717	<p>AATHRLNQNTLLQKKVVLVPTTSEHVPSRYHEWMKSEELQRLT ASEPLTLBQBYAMQCSWQEDARCTFTVILDAEKWQAPGATEES CMVGDNVLFLLDLDLTLGIEIVMIAEPSCEGKGLTEAVLAML SYGVTTLGLTKPEAKIQGNEPSIRMPQRLHFEQVATSSVPQSV</p>

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6320	90	1111	TLRLTVSESEHQMLLEQTSHVEEKPYRDGSAEPC RPRTRGRBKVMAAVDSFYLLYRRIARSNCYMEALALVGAWYTA RKSITVICDPYSLIRLHPTIRLGSRADLIHQYGRNAVVSQATDG IQKAYARELASRGLNIIILYSENEEKLOVVKADIAOTYKVTDI VADPSSGREIYLPYRRAIKDKDVGILVNVGVVYYPYQYFTQLS EDKLNDIINVNIAAASLMVHVLPVGMVERKKGAIVTISSGSCCK PTPQLAAPSASKAYLDHPSRALQYETASRGIFVQSLIPFYVATS MTAPSNFLHRCNWLVPSPKVYAEHAVSTLIGISKRTTGYNSHSIO FLFAQYMPENLWVGANILARSLRKEALSCTA
6321	1418	341	HRKAALGALMAGRLYLGKALAAVSLALASVTIRSSRCRGYQAF RNSPSSSWPHLNTNVMSGNGSKENSHNEARTSPYPGSKVERSQ VPNEKVGWLVENQDYKPYETAVSVLAGPRNADPQISESNPSEK FNEKDGHEVERKSRNGLYEIEENGPRHPAGRTGLVGRGLLRWGP NHAADPIITENKRDSSGKIMHPVSGKHILQFVAIKRDKCGEWA IPGMVDPGEEKISATLERBFGKRALNSLOKTSARKRIEKKLHK LFSQDHLVIYKGYVODPRNTBAMMETRAVNYEDTGETMDNLM LEAGDDAGVKWVDINDKILYASHSQFIKLVAEKRAHNSKDS RADCHAL
6322	2047	1083	NQRIILKNVESSRTVQPHPLFPLSLGNSVDVGRHPCWGTGHVST NSINCCDDGEGSQBEVTSSEIDGASIFNGQKVLVYADALTEI AFVVPSPVESLTDLSLSTSDQSDSNMDLMPGILKOPSLTLEL FPNHTDNLSSQRLSPSSRMRLPQGRFVPLPGPSTRVSVVWVE RYDDIENFPLSELMTSTSTGVRTTANSSTSLRSTTLEKEVPVIF THPLNTGLPRIKIQGATGKFMVPLVDGMIVSRRALGFLVRQT VINICRRKRLSDSYSPPHVRRKQKITDIVNKYRNKQLEPEPYT SLPQEVGLKNCS
6323	1	656	PASTTDGAQEARVFLDGAFWIIPRPPAGSPKGCFAVSKPPALQA PAAPAPEPSASPPMAPTLFPMESKSKTDSVRAAGAPPACKILA EKKIMINPTTVIEVYPTDTEVNDYYLWSIFNFVYLNFCCLGFLA LAYSLEVRDKKLLNDLNGAVEDAKTDRLINITRSLAASCIMLN MALSIVIATHRGIRSSASILVAREPHDWTTERPQVTPRRCPL
6324	1	2061	EGAGMRRCPCRGSLNRAEAGALPAARMGLEAPRGERRHQPGQ RPGPGAGAPAGRPEGGGFWARTEGSSLSHSEPERAGLGPAGTES PQARFWTDGQTEPAAGLGVETERPKQTEPDRESSLRTHLEWSN SELGTTCLMTETGTDGLWTDPHRSDLQFPKASPTQPGVHGP WTELETHGSGTQPERVKSRADNLWTHQNSSSLQTHPEGACPSKE PSADGSKWELTYDGSRTQDI EGPWTEPYTDGSQKQDTRAARK QPGTGGFQIQDQDTSWTQPSDGSQTAPGTDCLLGEPEGDPLR EDPEGELLTHLYSHLKCSPLCPVPLIITPTEPPEAQFVGPPS RVEGGSGGPPSSASSPDESEDVWAGCGGASDPEDRSGSKPWKLL KTVLKYSPPVVSFRKHYPNVQLSGHAGNFOAGEDGRILKRPQC BQRSLEQLMKDPLRPFVPAIYGMVLQDQTFNOMEDILLADPEGP SIMDCMGSRTYLERELVKARERPRPKDMSIMVAVDGAPT EKHAQGAIVTKPYTMQMBTMSSTSLGFRIGIKKADGTCTNF KKTQALEQVTKVLEDFVDGDHVTIQKYVACILKRLREALISPPF KTHEVVGSSILLFVHDHTGLAKVWMDPGETVALPDHQTLSHRLP WAEGRNEDGYLMGLDNMI CLIQGLAQS
6325	165	944	GLRDPFRKRRLKPOVKMSNTVMDMWPQSPQEKDSPSTSRSGGS SRLSSRSRSRSPSRSSRSRSHSVSSRPSRPSRPSRPSRPSR RKYRYSRSYSRPSRPSRPSRPSRPSRPSRPSRPSRPSRPSR RSRPSRPSRPSRPSRPSRPSRPSRPSRPSRPSRPSRPSRPSR TRSRSTPPLSEKDMELLEIAKTAARALGTTNIDLPASLRT VPSAKETSRGIGVSSNGAKPEVSI LGLSEONFOKANCOI
6326	238	680	GEPSPATQOKPSATGAGVLHQHFSSGHIYVLMGLLPPWTISPT VOTTLQPPGGLPAAPVSGRMAPEPVGRDILARMVPRAGKRTQTL GARFVAAQGARPLPEDRRPKSGERLHVTVAPCNEFVLPVSVSLTA

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6327	1	1337	QAMGGVGQRASSGVF SLARLAPAGCSVVMPTQQPAPSTRAPKPSRSLSGSLCALFSDA DSGSGNKARLPFGPGAVGREMTKREKIQLEKKEKQKKKKREK GAEPTGSAVSAACQCGPTRELPSGIQLGTPREKVPAGRSKAE LRAERRAKQBAERALKQARKGEGGPPPKASPSTAGETPSGVAR LPSYPPQVDDLLRLVKKPERQVPTKDTGSKVSLFSLHPQYS RQNSLTQFMSIPSSVTHPMVRLGLQYSQGLVRSSEARCIALLR ALQOVIOQYTTTPNEKLSRDLVNLKLPYNSFLTQCRPLSASHN AIKPLNKRTTSVGSSEKREKSELRRAIDRYVQKKIVLAAQAI SRFAYQKISNGDVLVYGCSLSVSRILQEAWTEGRRFRVVVDS RPNLEGRHTLRSLVHAGVPASYLLIPAASVLEFVSTEEKSKV GGEKV
6328	1030	276	HASARVTTAAARGLOAMEHEMTDAKIRAEKGTGSSPRGPGCSL RHFACBQHLRSRPGSASFLQGDTSVLAVGTGPAVKVKEKIPH KATLEVILRPKICLPGVAEKSEERLIRNTCEAVVLGLTHPRTSI TVVLQVVEDAGSILACCLNAAQALVDAGVPMRALFCGVACALD SDGTLVLDPTSKQEKRAVLTLPALDSVEKLLMSSTKGLYSDT ELQCCIAAAQAASQHVFRPYRESLQRRYSKS
6329	3	2016	SEKVAAGGOTRSANABGSQGVVTVSATGAANGLNNGAGGTSATT SNPLSRKLHKILETRLDNDKENLEALKALSTFFVENSIRTRNL RGDIERRSLAINREFFVSIPKEVKEELESISEQVQAMSECCDMT SRLOAKKEQTQDLIVRTKQLQSRQKLEIRAQVADAPLSKPOLT SDENSLLRGTREGPI TEDFFKALGRVKQIHNDVKVLLRTNQTA GLEIMEQMALLOETAYERLYRNAQSECRILTQSCDVS PVLTOA MEALQDRFVLKYTLDEFGTARRSTVVRGFIDALTGEGPGGTFR PIEMSHSDPLRYVGDMLAWLHQATASEKEHLEALLKHVTTQGV ENIQEVVGHITEGVCRPLKVRIEQVIVAEPAVLLYKISNLLKF YHHTISGIVGNSATALLTIREMHLSKKI FFNSLSLHASKLMD KVELPPFDLQPSALNQTLMLREVLASHDSSVVPFLDARQADFV QVLSCLVDPLLOMCTVSASNLGTADMATPMVNSLYMKTTALAF BFTDRRLMLQFOIRAHLOTLINEQASYVLT RVGLSYIYNTVQQ HKPEQGSLSAMPNLDSTVLKAMVQDQRYLSAPDNLIPQNLFL LSATVKEQIVKQSTELVCRAYGEVYAAVMNPINEYKDPENILHR SPQQVQTLLS
6330	1151	333	FFYITFYENKTFSEHVAKEETLSLNKCPDMPPKRTKLLAQQPL PVEQPHSLVSEGFVTKAMKNSVVRGPPAAGAFKRRPTKPTAFR KPYERGDFPIALEHDSKGNKIWKVEIKKLDYHLYPLFPDGLC EMTFPYEPFAHQIHDMLHGGNKILPVLPQLIPIKQALMLRN RQVICVTLKVLQHLVVSABMVGEALVPYRQILPVLTIFQNMNV NSGDGIDYSQQKRENTGDLIQETLEAFERYGGRNAPINI KYVVP TYESCLLN
6331	3	495	QGGQVRTGRBRACASATPLEGCVDLSPYRTHAALLKVAQMVTL LLAFICVRESSLWNTNYSAYSYPFVVTICDLIMILAFYLVHLFRFY RVLTCISWPLSELHYLIGTLLLLIASIVAASKSYNQSGLVAGA IPGPMATFLCNASIMLSYKISCVTQSTDAV
6332	1	878	VTESNKPDLVSPFIPLLRERIYSNNQYARQPIISWILVLESVPDI NLLDYLPEILDGLPQILGDNGKEIRKMCVVLEFLEKKEIKNPS SVKFAEMANILVHCQTDDLIQLTAMCMREPIQLAGRVMLPY SSGILTAVLPCLAYDDRKSIRKVANVCNQSLMKLVTPEDDEL ELRPGQQAEPPTDDALPKQEGTASGEWTFSLHLTSCRGPREPD VIGVALGPHLSNQDYPMYVTHITVAATQRSGSSGSPPFCDQDTG KLSTMAHSQLVKGTGLEPRQAVSSSH
6333	3	1467	TRTPSEARAGGESPOSCEAHSQWTAGKPVSLAPLIPPREAG QPLTFPSGRQPLRLSLVGMCSGSRRRSSLSPTMRPOTGAERG GLNMGHPCMHYAPCMHMGQRANMPVPVGHMPQMMPPMGPP MGQMPGMSSVMPGMMSHMSQASMQPALPPGVNSMDVAGTAS

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			GAESMWTREHSPOGRTYYNTETKQSTWEKPDLLKTPAEQLLSK CPWKZYKSDSGKPYYSQTKESRWAKPKELEDLEGYONTIVAG SLITXSNLHAMIKARESSKQECTTISTAPVPTTBIPTTMTMA AAEAAAAVVAAAAAANAASASNTVSGTVFVVP EVTSIATVVDNENTVTISTEQAQLTSTPAIQDQSVEVSSNTG EETSQETVADPTPKKEEBSQPAKRTYTWSTKEAKQAPKELL KKEKRVPSNASWEQAMMI INDPYSALAKLSKQAPNAYKVQT EKK
6334	17	644	GGNPSGRAAGFAAAAMPSSPLRVAVVCCSNQWRSMRAHNILSKR GFSVRSFGTGTHTVILKGPAPOKPNVYDPTKTYDQMYNDLLRKDK ELYTONGILHMLDENRRIKPRPERFQNCODLPDLITCEERVYD QVVEDLNSREQETCPVHVNVVDIQDNEHEATLGAFILCELCQC IQHTEDMENEIDELQEPREKSGRTPLHTVCY
6335	82	529	AARARPGVLCCLLGAALQDQSRVMSYTPGQPVAVVQRVEIH KLKQGENLILGPSIGGGIDQPSQNPFSKDTKGIYVTRVSEB GPARIAGLQIGDKIMQVNGWDMINVTHDQARKLTKRSEEVRL LVTRQSLQKAVQSSMLS
6336	1003	438	HEFASKGRARVGMRLSVAAAISHGRVPRMGLGPESRIHLRN LLTGLVRRERIRAPWARVDMRGVAEKLIDVGLGDTNRAMRM ADFWLTKDLIPKLPQVLAPRYKDTGGYTRMLQIPNRSIDRAK MAVIEYKGNCLPFLPRDSHLITLNLQLQLRQDLRQSQEAS NHSSHTAQTPGI
6337	76	524	BGIQMLSVQPDTPKPGCAGCNRKIKDRYLLKALDKYWHEDCLKC ACCDCLRGVSTLYTKAHLILCRDYLRLPGVTGNCACSKLI PAFEMVMRAKDNVYHLCFACQLCNRQPCVGDKPFLLKNMILCQ TOYBEGLMKEGYAPQVR
6338	66	1349	APNSESGTQGLPTPANLFWTRRANPDPTTMSATDRMOPKAVP GLRLALLILLGLGTPKSGVQGGQGLDPPEYDGVDRVINNAKRY KNVFKKYEVLLALLYHEPPEDDKASQRPFEMRELILELAAQVLED KGVGFLVDSEKDAVAKGLLTVDSMYVFKGDEVIEYDGEFS ADTIVEFLDLVLEDPVELIEGERELQAFENIDEIKLIGYFKSK DSEHYKAFEDAARPHPIYPFATPDSKAKKLTLLKNEIDPYE AFMERPVYIPDKPNSSEELVNVFEEHRRSTLRLKPSMYETNE DDMDGIHIVAPARADPDGFEPLTLKAVAQNTENPDLSIINI DPDDPFLVFPYWEKTFDIDLSAPQIGVVNVTDADRLWMENDEB DLPSARELEDNLEDVLEGEINTEDDDDDDDDD
6339	246	1813	NRCDRGGGGAERQAGGCRTOGAGFGPGFGHSFFSQGANLAPH TFCVLLVFGSVSEAKFDDFEDERDIVEYDNDFAEFEDVNEBS VTESQPVYITTEDDEDETVELEGQDEHGEQDFRADTOEGDTE SEPYDDEEPEGYEDKPTSSSKNDPITIVDVPALQNSWESY LETLNVTGLLAYIMNYITGKNKNSHLAQAWFNTHRELLESNPTL VGDDGTNKEATSTGLKNQENKHYNLWCSSGVCCBGLIQLRPL KRQDLNVLARMGRFVSDQVQIRVTMDEDMOTYVFAVGTAKAL VRLQKEMQDLSEPCSDKPKSGAKYGLPDSLAILSEMGEVTDGMH DTKMWFLTHYADKIRSVHFSDDQSGPKIMDESGQPLKLPDTR TLLLTFNVFGSGNTYPKMEALLPLMNVTYSIDKAKEFLRRE GKQKADKNRVRVENPLKITHVQDEAAQSREBKIRAKKRIIM NEEDPEKQRLLEAALRREQKLEKQMMQILKVEAM
6340	2	583	EACAHTLSCPAPARLGRARRPMSHRTSSTFRERSFHSSSSS SSSSTSSASRALPAQDPMEKALSMPSDD?GSPMRPHSEPLAP PARPGAGNITKLGDAYEFAVDVRDPSPEDIIVTTSNNHIEVRA EKLAADGTVMNFAHKCQLPEDVDPTSVTSALREDGSLTIRARR HPHTKHVQTFRTIKI
6341	2	645	KMAVLSAPGLRGPRLGLRSSVGPVQARGVHQSVATDGPSSSQ PALPKARAVAPKPSRSGHYVVAKLDDLWNAARSSLNPMITFLA CCAEMHMAAFRYMDRFGVVPASPRQSDVMIVAGTLINKMA

[illegible]

WO 01/53312

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6346	2921	533	<p>VILNWKFAFLPFGSITTEDLGNFIRSEPEVVRLEPPASSVST LVLAAPRPKPRQLTPVDKKVSPVDIMPHQSDVSGEGSVDEKKN TEKMQQKDDVSLSEGQAEQSLASSEDETRITDLEPEVEED MSASDSDDCIIGPISKRTIKQPSKIRIKI DALSLNDSQVTMD TIQRLFVECHPFLPABETPVSLPKPSQGWVYNYENVYVDR ENMKAKRDILKAILQKQEMPRESLPTVSDPPEDQDLCEDI GVAHVLDLADNPFQEGDLEQNDVDFDARADGEGICLRLVTEAL HALQSVYKQYRDDLEA</p> <p>QDRRLRLRLQKTCQPTSTMSGSHTPACGPPSALTPTSPINQETL AKYTKKESAEQPEFYDFFGFRVYKEEGDEPGSSLLANSPLME DAPQRLNQAHLFTTHNDVGLTWDLKIVSLPSEKLSLVLA GIPHEMRPQLNMLSGALQKKNSELSTYRKIVKSSNDETIAAK QIEKDLRTMPSNACFASMGSIQVPLRLRVLRALANLYPTIGYC QGTGVAACLLIFLEEDAFWMSAIIEIDLPASTFTTLGVC TDQRLVRLHIVQLPRLDKLLQSHDIELSLITLWFLTAPASV DIKLLRLIWDLPFYEGSVLPLTGLMLHLKEELIQSENSASI FNTLSDIQSMEDARLLGVAMRLAGSLTDVAVETQRRHLAYL IADQQLLGAGTLTNLSQVVRRTQRRKSTITALLFGEDDLAL KAKNIQKTELVAIDLREAILRVAREPQCTDPKNCVSVSRQLPGL PNTALTPPTPLVGLYELWQELTPDYSMSHQDHENTYVACSRSH RRRAKALLDFERHDDDELGFRENDIITIVSQKDEHCWVGLNGL RGWFPKPFVEVLDERSKEYSIAGDSDVTGCVTDLVRGTLCPALK ALFEHGLKKPSLLGGACHPWLPIEBAAGREVERDPASVYSLVL CKTFLDDEGKVLTPRELLYRAVQSVNTHDAVHAQMDVKLRSL ICVGLNEQVILHLWLEVLCSLPTVEKWKQPSFLRSFGWVQIKC ELRVLCFAPSLSQDWELPAKREAQQLKRGVRDMLVKHLFSW DVG</p>
6347	2921	533	<p>QDRRLRLRLQKTCQPTSTMSGSHTPACGPPSALTPTSPINQETL AKYTKKESAEQPEFYDFFGFRVYKEEGDEPGSSLLANSPLME DAPQRLNQAHLFTTHNDVGLTWDLKIVSLPSEKLSLVLA GIPHEMRPQLNMLSGALQKKNSELSTYRKIVKSSNDETIAAK QIEKDLRTMPSNACFASMGSIQVPLRLRVLRALANLYPTIGYC QGTGVAACLLIFLEEDAFWMSAIIEIDLPASTFTTLGVC TDQRLVRLHIVQLPRLDKLLQSHDIELSLITLWFLTAPASV DIKLLRLIWDLPFYEGSVLPLTGLMLHLKEELIQSENSASI FNTLSDIQSMEDARLLGVAMRLAGSLTDVAVETQRRHLAYL IADQQLLGAGTLTNLSQVVRRTQRRKSTITALLFGEDDLAL KAKNIQKTELVAIDLREAILRVAREPQCTDPKNCVSVSRQLPGL PNTALTPPTPLVGLYELWQELTPDYSMSHQDHENTYVACSRSH RRRAKALLDFERHDDDELGFRENDIITIVSQKDEHCWVGLNGL RGWFPKPFVEVLDERSKEYSIAGDSDVTGCVTDLVRGTLCPALK ALFEHGLKKPSLLGGACHPWLPIEBAAGREVERDPASVYSLVL CKTFLDDEGKVLTPRELLYRAVQSVNTHDAVHAQMDVKLRSL ICVGLNEQVILHLWLEVLCSLPTVEKWKQPSFLRSFGWVQIKC ELRVLCFAPSLSQDWELPAKREAQQLKRGVRDMLVKHLFSW DVG</p>
6348	3	3679	<p>AGAECFVTLLACFLAQKQNYKYEECKDLIKSM(LRRLQPKKE KLAEQLQAEELRQYKLVHSQERELTQRLREKLREGRDASRLN EHLQALLTPDEPKSQGDLQBLAQCRRLAQHLVQKLSPENDN DDDEDVQVEVAERVKQSSPREMQKAEKEVPEDSLBECAITCS NSHGFCDSQPHKNTIKITFEDEVNSTLVVDRESSHDECQDALN ILPVPGFTSSATNVSMVVSAGPLSGEKAADHILEINEKLRLPQA EKQKQFNLKCKFLTQLACFLAQKQNYKYEECKDLIKFMLEN ERQPKKEKLAEQLQAEELRQYKLVHSQERELTQRLREKLREGR DASRLNEHLQALLTPDEPKSQGDLQBLAQCRRLAQHLVQK LSPENDDDDEDVQVEVAERVKQSSPREMQKAEKEVPEDSLB</p>

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			<p>ECATCSNSHGCPYDSNQPHRKTITFEEDKVDSTLIGSSSHVEW</p> <p>EDAVHIIPENESDDEEEKGPVSPRNQSESEEEVFPQESWDEG</p> <p>YSTLSIPPEMLASYKSYSTFHSLEBQQVCMVDIGRHRWDQVK</p> <p>KEDHEATOPRLSRELLDEKGPVQLQSLDRCYSTPSCLELTDS</p> <p>CQPYRSAPYVLEQQVGLAVNMDIEIKYQVEVEDQDPSCPLSR</p> <p>RLLEDEKPEVLQSLGRCYSTPSGYLELPDLGQPYSSAVYSLEE</p> <p>QYLGLALDVRIRKQDEEEDQGPFCPLSRRLLEVVEPEVLQD</p> <p>SLDRCYSTPSSCLEQPDSCQPYGSSFYALEKHHVGFSLDVGIE</p> <p>KKGKGGKRRGRSSKERRRRGRKEGEDQNPFCPLSRRLDEK</p> <p>PEVLQSLDRCYSTPSCLELTDSQPYRSAPYVLEQQVGLAV</p> <p>DMDEIKYQVEVEDQDPSCPLSGELLDEKPEVLQSLDRCYST</p> <p>TPSCLELTDSQPYRSAPYVLEQQVGLAVDMDEIKYQVEVE</p> <p>DQDPSCPLSRRLDEKPEVLQSLGRCYSTPSGYLELPDLGQ</p> <p>PYSSAVYSLEEQYLGLALDVRIRKQDEEEDQGPFCPLSRRL</p> <p>LEVVEPEVLQSLDRCYSTPSSCLEQPDSCQPYGSSFYALEKH</p> <p>VGFSLDVGIEKKGKGGKRRGRSSKERRRRGRKEGEDQNPFCP</p> <p>RLNSMLMEVEPEVLQSLDICYSTPSMYFELPDSFQHYRSVFI</p> <p>SFEEHISFALYVDNRFFTLTVTSLHLVFGMGVIFPQ</p>
6349	3	3679	<p>AGAEKCPVTLACFLAQKQNKYKYECKDLIKSMLRNLQPKKE</p> <p>KLAEQLQAEELQYKVLVHSQERRELTLREKLREGRDASRLN</p> <p>EHLQALLTPDEPDQSGQDLQEQALAGCRLAQHLVQKLSPEND</p> <p>DDDEDVQVVAEKVQKSSSPREMQKAEKEVPEDSLAECAITCS</p> <p>NSHGPCDSNQPHKNIKITFEEDVNSTLVVDRESSHDECQDALN</p> <p>ILPVPGPTSSATNVSMVVSAGPLSGEKAAINILEINEKLRPQLA</p> <p>EKKQFPNLKCKFLTLQACFLANQNKYKYECKDLIKFMLRN</p> <p>ERQFKKEKLAEQLQAEELQYKVLVHSQERRELTLREKLREGR</p> <p>DASRLNEHLQALLTPDEPDQSGQDLQEQALAGCRLAQHLVQK</p> <p>LSPENDDDDEDVQVVAEKVQKSSAPREMPKAEKEVPEDSLAE</p> <p>ECATCSNSHGPYDSNQPHRKTITFEEDKVDSTLIGSSSHVEW</p> <p>EDAVHIIPENESDDEEEKGPVSPRNQSESEEEVFPQESWDEG</p> <p>YSTLSIPPEMLASYKSYSTFHSLEBQQVCMVDIGRHRWDQVK</p> <p>KEDHEATOPRLSRELLDEKGPVQLQSLDRCYSTPSCLELTDS</p> <p>CQPYRSAPYVLEQQVGLAVNMDIEIKYQVEVEDQDPSCPLSR</p> <p>RLLEDEKPEVLQSLGRCYSTPSGYLELPDLGQPYSSAVYSLEE</p> <p>QYLGLALDVRIRKQDEEEDQGPFCPLSRRLLEVVEPEVLQD</p> <p>SLDRCYSTPSSCLEQPDSCQPYGSSFYALEKHHVGFSLDVGIE</p> <p>KKGKGGKRRGRSSKERRRRGRKEGEDQNPFCPLSRRLDEK</p> <p>PEVLQSLDRCYSTPSCLELTDSQPYRSAPYVLEQQVGLAV</p> <p>DMDEIKYQVEVEDQDPSCPLSGELLDEKPEVLQSLDRCYST</p> <p>TPSCLELTDSQPYRSAPYVLEQQVGLAVDMDEIKYQVEVE</p> <p>DQDPSCPLSRRLDEKPEVLQSLGRCYSTPSGYLELPDLGQ</p> <p>PYSSAVYSLEEQYLGLALDVRIRKQDEEEDQGPFCPLSRRL</p> <p>LEVVEPEVLQSLDRCYSTPSSCLEQPDSCQPYGSSFYALEKH</p> <p>VGFSLDVGIEKKGKGGKRRGRSSKERRRRGRKEGEDQNPFCP</p> <p>RLNSMLMEVEPEVLQSLDICYSTPSMYFELPDSFQHYRSVFI</p> <p>SFEEHISFALYVDNRFFTLTVTSLHLVFGMGVIFPQ</p>
6350	3	3679	<p>AGAEKCPVTLACFLAQKQNKYKYECKDLIKSMLRNLQPKKE</p> <p>KLAEQLQAEELQYKVLVHSQERRELTLREKLREGRDASRLN</p> <p>EHLQALLTPDEPDQSGQDLQEQALAGCRLAQHLVQKLSPEND</p> <p>DDDEDVQVVAEKVQKSSSPREMQKAEKEVPEDSLAECAITCS</p> <p>NSHGPCDSNQPHKNIKITFEEDVNSTLVVDRESSHDECQDALN</p> <p>ILPVPGPTSSATNVSMVVSAGPLSGEKAAINILEINEKLRPQLA</p> <p>EKKQFPNLKCKFLTLQACFLANQNKYKYECKDLIKFMLRN</p> <p>ERQFKKEKLAEQLQAEELQYKVLVHSQERRELTLREKLREGR</p> <p>DASRLNEHLQALLTPDEPDQSGQDLQEQALAGCRLAQHLVQK</p> <p>LSPENDDDDEDVQVVAEKVQKSSAPREMPKAEKEVPEDSLAE</p>

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			ECATTCSNSHGPDYDNPQHRKTKITFERDKVDSTLIGSSSHVEN EDVAVHILPENESDDERERKGPVSPRNLQSEERKVPQESWDEG YSTLSIPPEMLASYKSYSTPHSLREQQVCMVDIGRHRWDQVK KEDHRATGPRLSRELLDERGPEVLQDSLDRCYSTPSCGLRLTDS CQPYRSAPTVLBQQRVGLAVNMDIEKYQFVEEDQDPSCPRLSR ELLDEREPEVLQDSLDRCYSTPSCGLRLPLDQPYSSAVYSLEB QYLGLALDVDRIEKQDEEREDQGPCCPRLSRELLLEVVEPEVLQD SLDRCYSTPSSCLEQPDSCQPTGSSFYALEEKHVGPSLDVGBIE KKGKGRKRRGRSKKERRRGRKREGEDQNPCCPRLSRELLDEK PEVLQDSLDRCYSTPSCGLRLTDSQPYRSAPTVLBQQRVGLAV DMDIEKYQFVEEDQDPSCPRLSRELLDEREPEVLQDSLDRCYS TSPSCGLRLTDSQPYRSAPTVLBQQRVGLAVDMDIEKYQFVEE DQDPSCPRLSRELLDEREPEVLQDSLDRCYSTPSCGLRLPLDQ PYSSAVYSLEEQYLGLALDVDRIEKQDEEREDQGPCCPRLSRELL LEVVEPEVLQDSLDRCYSTPSSCLEQPDSCQPTGSSFYALEEKH VGPSLDVGBIEKKGKGRKRRGRSKKERRRGRKREGEDQNPCCP RLNSMLMEVEEPEVLQDSLDICYSTPSCMYPRLPDSFQHYRSVFI SPFEHHISFALVVDNRPFTLTVTSLLELVFQMGVIFPQ
6351	1291	319	RRARRRTERSQLGRMLVVEVANGESLVMGABAVQALRERLGVGG RTVGLALPRGPRONSRLGLPLLLMPBEARLLARIGAVTLVSAPRP DSRHSLALTSFKRQREBPQBSALAAARETRRQELLEKITE GQAARKQKLEQASGASSSQEAGSSQAARDETS DQASGGBQEA GPSSSQAGPSNGVAPLPESALLVQLATARPVPKARPLDNRVQS KDWPBAGRPARELYSYRDLMERGFFLSAAGKPGDPLVYPGD PLRPHAHYIAQCWAPEDTIPQLVLAAGRLGTSVRKTLTLLCSPQ PDGKVVTSLQWASLQ
6352	235	923	WSEWLSGCHAAKCKGLSMLRITMKTRATSLAADATEFVQGRSAP AMARS LVHDTVFYCLSVYQVKLSPTPQLGAASSABGHVGGAGP LMCNMNPEGGVNHENGMRDGMIFEGGGGNOBPQQPQPPPEE PAQAAMEGPPENMQPRTTRTKFTLLQVEELESVFRHTOYDVP TRRELAEHLGVTEOKVRVWPKMRARCRRHQRRLMLANELRADP DDCVYIVVD
6353	65	672	RFACAGATPEARARPDVQAAREKEMDLPSASRVPCORTLSM VHTDDVNATILAQKMLDRPKTNEMILNFNLLSARLQOMSER FLHHTRTLVEMERDLDGIFRIRITLGLARQHPAPFASHIPEAS FLEHEDEDPIPPSTTTTITATSEGTSGCDTSFDTVSPSLSPGFR DLSHVQPGSPAINGRSQTDDKEWTE
6354	965	510	PSLEPMEPTDCLPGGAFAITLPMGAIDVSDLEPPVPPNQEVFC HPVTDQSLIVRLLEKLAHVREGAAARYHFDVCGVQCARAVEVB SVQPLSLNLALRGRCQEWLVSGKQQLAKENQQVARDVTLEQA LLRLPQYQTDLLLTFFNQPP
6355	158	1662	RGSSAAPRSGGLEQAMIREVLPHCMGROLLTRRPOTRRGGPSLD NDGEVSEIKKKIESILPGRSCULLQDTSHLPPEHSDVIVGGGV IGLSVATNLKLESRRGAIRVLVVERDHTYSQASTGLSVGICQ QPSLPENIQSLPSASFLRNINEYLAVVDAPPLDLRPNPSTGLL LASEKDAAMESNVVQREQEAKVSLMSPDQLRNKPPWINTGV ALASYCMDEGNFDPNCLLQGLRRKVQSLGVLPQGEVTRFVSS SQRMILTDDKAVVLKRIHEVVKHRSLEYQFVBCAIVINAAGA WSAQIAALAGVGBGPPGTLLQGTLLPVRPKRYVYVWHCPQGPGL ETPLVADTSGAYFRREGLSNYLGERSPTQESEPDPANLEVDHD PFQDKVWPHALRVPAFTLKVQSAWAGYYDNTFDQNGVVGPH PLVVNMYPATGFSGGLQAPGIGRAVAVMLKGRPQTIDLSFP LPTRFYLGEKIQENNI
6356	354	633	TGLTESCLPLQVMTKRTKDMGKFPSSVTVSTIOBBEBEIRAREV ADSYACNAKVIEKQLERKMSRRRLQELAELEAKKAKMGTLID HQFK

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6357	2	915	GILLENMALLVRVLRNQTSSISQWVPVCSRLIPVSPFQOGDEALS RTSQWPMQSQSQACGSEQLPGIDIQLRKYHTIRKLSTTDSF QPVRKVGAFPTKIRAMGFTGPKYSKNKIKIALRNTTSCVEK TDPREFFLRQMPDTPFNSWFLITLLHVMNCLVRNEQEGRSKYM CRIIVHFMNRDVQQRGVVMGVNPFYILKKNMILMNHFYAAILGY DEGILSDEGLAAALWRTFFNRKCEDPRLLELLWVYVRKQIQYL DSMNGEDLLLTGEVSNRPLVEKNPQSILRPHSPTYNDEGL
6358	2009	1040	ASDALHSLSAPVLRSSRSAPRATWTEQATSPAKDFLAGGIAA AISKTAAPVIERVKLLQVCHASQIAADQYKSTVDCTVRIPE EQGLSFVRGNLANVIRYFTQALNFAFKDKYKQIFLGVDKHT QFWRYPAGHLASGGAAGATSLCFVYPLDFARTRLAADVKSCTE REFRGLGDCIVKIKTSDGIRGLYQGFVSUVQGIITYRAAYFGVY DTAKGMLDPENTHIVVSNMIAQTVAAGVVSYPDTVRRRMH MQSGRKGADIMYTGTVDCWRKI PRDEOGKAPFKDAMSNVLRMG GAFVLVLDELKQVI
6359	98	1086	VCRQERERKMKEDCLFSEHVPISDSKSIQKSELGLKTTNCTHE GKSPQLRHRREBETLIEGLNIAWGLRPIRLQMDRBOVHL PSTSWMPRPSPCLKPSQNGNITAGQPSIQPVHKAESSTDS GFLKEAEAPQLMRKTSASCSQERPKRAPGEAQRIRRHRS INGHFNHKTSTVPTPAYGSVTVNRVNSTMTTLQVLTLLNKPVR EDGSPSEFALYIVHBSGERTKLEDCBYPLISRIILAGPCBKTIAP LMEADLGVVPHVAQYIKFEMPVLDSFVHLKEEREREIKLT MKPQALRLINLQRLQELVEAK
6360	1	345	GTRGAVPSTLEVVLPFRSCRVPWINSGTIMSKVSPKITLTSDF RLPYKVLVSPESTPFTAVLKFAAEFKVPAATSAITNDGIGIN PAQTAGNVFLKHGSELRIIPDRVGCSC
6361	615	158	RPGLGQLQHCALAPQAGNRRCRPHGLHALTRSTHRCKPMSIMQ PKDTLNTPLPDSPPVAVPLGAPIAVASTLSVEHNDGVETGIVAC APGRWRRQITQBPCFPIQGRCTPTPDGSTLHIQAGDALMLPA NSTOINDIQSTVRCTYVLIL
6362	350	1576	TIMDGSHSALEQLQPLPTSSSSAVSEASFSYKENLIGALLAIF GHLVVSIALKQKYCHIRLAGSKDPFRAYFTTWNWGLFIMLLC ELGVFASYAPAPLSLIVPLSAVSVIASAIGIITYIKENKPKDF LRRYVLSFVGGLAVVCTYLLVTFAPNSHEOMTGENVTRHLVSN PFLLYMLVRIILPCLLYFYKERNANNIVVILLVALIGSMTVV TVKAVAGMLVLSIQGNLQDYPIFYVMFVOMVATAVTQAPLSQ ASQMYDSSLIASVGYILSTTIAITAGALFYLDFIGEDVLEHCMP ALGCLIAPIGVFLITRNRKQIPPEFYISMAMPQMQRMDKGM TVQPELKASFSYGALKNNDNISETAPATLFPVQREHRSASG VPIRVLEHTKKE
6363	21	1201	RRTRLGSSPPRRRDSSAMESYDVIANQPVVIDNGSGVTKAGFAG DQIPKYCFPNYVGRPKHVRVMAGALEGDIPIGPRAKEHRLLSI RYPMEHGIWKDNDMERIQVYVSRDQLQTFSEHVPVLLTEAPL NPRKNRERAABVFPETFNVPALFISMQAVLSLYATGRTTGVVLD SGDGVTHAVPIYEGFAMPBSIMRIDIAGRDVSRFLRLYLKEGY DFRSSEFEIVKAIKERACTLSINPOKDELTETKAQYVLPDGS TIEIGPSRFRAPRLLFRPDLIGERSGITHVLVFAIQKSDMDLR RTLFSNIVLSGGSTLFRGPGDRLLSEVKILAPKDVKIRISAPQR RLYSTWIGGSILASLDTPKKNVSKKEYEDGARSIRUKTF
6364	21	1201	RRTRLGSSPPRRRDSSAMESYDVIANQPVVIDNGSGVTKAGFAG DQIPKYCFPNYVGRPKHVRVMAGALEGDIPIGPRAKEHRLLSI RYPMEHGIWKDNDMERIQVYVSRDQLQTFSEHVPVLLTEAPL NPRKNRERAABVFPETFNVPALFISMQAVLSLYATGRTTGVVLD SGDGVTHAVPIYEGFAMPBSIMRIDIAGRDVSRFLRLYLKEGY DFRSSEFEIVKAIKERACTLSINPOKDELTETKAQYVLPDGS TIEIGPSRFRAPRLLFRPDLIGRESEGIHEVLVFAIQKSDMDLR

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6365	234	1989	<p>RTLFSTNIVLSGGSTLFGKFGDRLLSEVKKLAPKDVKIRISAFQRELYSTWIGGSILASLDYFKMNVSKSEYEDGARSTHRETF</p> <p>KHKSRASCAARAQAFGPSREVEVHSEFRSGLERI/GESENSGCCIMASNGTLAFDYGPRPLI IKQDREKRIAGLEALKSHDPAAKAVANIMRTSLGPNGLDKMVDKGDVTVTNDGATILSPMDVDHQIAKIMVELSEKQDDEIGDGTGTVVLAGALLREAEQLLORGIIPIRIADGYBQAARVAI EHLDKISDSVLVDIKDTEPLIQAKTTLGSKV VNSCHROMARIAVNAVLTVADMERRDVFELIEVEGKVGGRLED TKLINGVTVDEDFSHBPMPKKVEDAKIALUTCPPEPPPKPTKHK LDVTSVEDYKALKQYKKEKPEEMIQQIKETGANTAI CQWGFDE ANHLLQNNLPVAVRWGGPBIELIATATGRIVPRPSKLTAKL GPAGLVQETISFGTTKDKMLVTIQCKNSRAVTIPIRGGNKMILIE AKRSLHDAICVTRNLIIRDNRVVYGGGAARISCALAVSQEADKCP TLEQYAMRAPADALEVIMPALENSGMNPIQMTTEVRARQVKEM NPALGIDCLHRTNDMQQHVITLIGKKQIISLATQMVNMLK IDDIRKPGSEB</p>
6366	257	1898	<p>GNKEGAHSSTFWLLSIFLGAVAMLCBQGTIVLGLNAVFDIIV IGKFNVLIVQKVLHKDKSLENLGNLNGGLLFRMTLLTSGGAG MLVVRWRINGTGPPAPTEVDNPASPADSMVRAVNYNTYYSIRA WLLCPWWLCFDWEMGCIPLIKSISDWRVIALAALNFCILGLIC QALCSEGDGKQREILTLGLGFLVIFPLPASNLFFRVGFVAERVL YLPSVGVCVLLTFPGGALS KHTKKKLIJAAVVLGILPINTLRV LRSGEWRSEQLPRSALSVCPIANAKVHYNIGKNLADKGNQTAARIYYREAVRLNPKYVHAMNHLGNLKERNELOEAEELLSLAVQIQ PDFAAAMNLGIVONSLKRPRAEBSYRTATKHKRYPCDYNL GRLYADLNRRVDALNWRNATVLPKPHSLAMNNMIILLDNTGNL AQAEAVGREALILIPNDHSLMPSLANVLCKSQKYKESALPLKA IKANPNAAASYHGMIAVLVYHRNGHLDLAKHVEISLQLOPTASGT KBNYGLLRRLKILMQRKAV</p>
6367	287	1934	<p>SIGPPVHLVLSILLYTCRFPQDSVAFEDVAVSFTQREWALLDPS QKNLYRDVMQETFNLT SVGKTVKQNI KEDYKNPRNLSLMRE KLCESKESHOGESFQIADDMLNRRTLPGITPCRESSVCGEVGT GHSSLNTHIRADTGHRSEYQYGENPYRNKECKKAPSYLDSFPQ SHDKACTKEKPYDGKECTETPISHSCIQRHRVMHSGDGPYKCKP CGKAFYFLNLCLIHERRHTGVKPYCKQCGKAFTRSTTLFVHER THTGVDNADECKECGNAPSPFSEIRRHKRSHTGKPYCKQCGKV FISFSSIQYHDMTHTGKPYBCKQCGKAFRCGSHLQKHGRTHTG EKPYECKQCGKAFRCSTDLQRHEKTHETDKPYGCKQCGKGFRCASQLQIHERTHSGEKPECKCGKVFPYFSSLRHERHTHTGKPH ECKQCGKAFRYFSSLIHERHTHTGDKPYECKVCGKAFTCSSSIR YHERHTHTGKPYECKCGKAFISNYIRYHERHTHTGKPYCKQCGKAFIRASSCREHERHTHTIR</p>
6368	1	327	<p>RPVPAKLNPRSMERTAGALPLRPPLTMVAFHDEVEIEDFQYDR DSSTYPYPCPGDHPSTIKEDLENGEDVATCPSCSLIKVIYDK DQPVCGETVPAPSANKELVRC</p>
6369	1	1745	<p>AGCCRDTRFPPTPRGPGSLCHNFCRRAACTVTRTHGSPREDTGT PRSREMFPQDSVAFEDVAVSFTQREWALLDPSQKNLYRDVMQET FKNLT SVGKTVKQNI KEDYKNPRNLSLMREKLCESKESHOGESFPQIADDMLNRRTLPGITPCRESSVCGEVGTGHSSLNTHIRAD TGHRSEYQYGENPYRNKECKKAPSYLDSFPQSHDKACTKEKPY DGKECTETPISHSCIQRHRVMHSGDGPYKCKFCGKAFYFLNLCL IHERRHTGVKPYCKQCGKAFTRSTTLFVHERHTHTGVDNADECKE CGNAPSPFSEIRRHKRSHTGKPYECKQCGKVIFISFSSIQYHDM THTGKPYECKQCGKAFRCGSHLQKHGRTHTGKPYECKQCGKAFRCSTDLQRHEKTHETDKPYGCKQCGKGFRCASQLQIHERTHSG EKPECKCGKVFPYFSSLRHERHTHTGKPECKQCGKAFRYF</p>

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			SSLHIERHTHTGDKPYECKVCKKAPTCSSTIRYHERHTHTGERPY ECKHCKGKAFISNYIRYHERHTHTGKPYQCKGCKAFIRASSCRE HERHTHTIR
6370	1711	329	FVLSBQRURTERHTWPEPGLGRGAANGARTAGAGLLRLIGCG ALVGGRLRPVMTTPANACNASETWELSLYELHRTPOBAIMDGTB LAVSPESLSESLMCPICLIMLKWMTTKECLHRFCSDCIVTALR SGNKBCTPCRKLVSRSLSRDPFNDALISKITYPSREYERHQD NVLIRLSRLNQALSSSTEEGLEWQAMHRAQVRVPIPGSDQT TTMSGGEHFGEGEGEDGEDVSDDAPDSAPGAPKRPBGSGAGG SSVGTGGGGTGGVGGGAGSEDSGDRGGTLGGGTLPFPFPGAP PPEPGGRIELVFRPHPLVERGETYQTRYVTTGNATVDHLSKY LALRIALEERQQBAGEFGGPGGGASDTGGPDGCGGEGGAGGG DGPPEPALPSLGVSEKQYTTIYIAPGGGAPTTLGSLITELVNE KFWKVSRLPLCTAPTQDK
6371	3	288	GVANMSTAMNCTGTSFQPPPDGGSFPLDLGLGCSVREKFMK LHNNVFNALCKESKYLECMBRXLNLQSPLEKLGFGDLTSG KSEAKK
6372	2141	625	RVSALASEGKARERYKLEDLLEKSFSLVMPSLQPVVNCVMEH LPKVPKRLKLVMADEKLYRACAVEVRRQIWQDNOALFGDEVSP LLHQYILKESALFSTLSVLNFPSPSPTRROGEVQRLTEM VGEHVKLYDMVLOFLRLTLFLTRNVHYCTLRKLLMSLHDLVGC EICTVDPCHKFTNCLDACTIRERFVDSKRARELQGFVGVKQGE QVIGDLEMLCOPPAINTALSTVHQLQELVQGYTLPRDSPDLL LLELLALGQGANNDKIDSQVFBPEMEVELITRFLPMLSPDVD DYTFNVDQKLPAEKAPVSYPTLPESTFKLQEQRMACEVGLY YVLEHTQRNKNALLRLPLGLVETPGDLAFGDIFFHLLTGNLAL LADEPALEDFCSSLPDOPFLTASPRKENVHRHALLLHLEPRV APSELEALQKALEPTGQSGEAVKELYSQLGKLEQLDHRKPSPA QAARTPALEKLPLSPVPAPAL
6373	67	711	PSRAARASPAELJAMVSWIISELVVLFGTLYPAYYSYKAVKER DIKRYVKNMWTWIIIPALFTTATPTDIPLCNFPFYELKIAFVA WLLSPYTRGSSLLYRKFPVHTLSSEKKEIDDCLVQAKDRSYDAL VHPGKRGILVAATAAAMAASKQGALSERLESFSMQDLITIRGD GAPAPSGPPPPGSGRASGKHGQFNSRSASASASSGTA
6374	535	2105	HKLFCSYISTSEFFSSTRHSCPTHTFCNTSSTIFLSSTRDHS CPTHTFCNTSSTIFLSSTRDHSCTHTSCNTSSTIFLSSTRD HSCPTHTSCNTSSTIFLSSTRDHSCTHTFCNTPRPIELSSC CPAELQTEGSGKKEVLSGQVVLDTVLFPBGCGQPDDEGTIN DISVLRVTRRGEQADHPTQTPDPSQVLRVVDWERRFDHMQQR SQOHLITAVADHLFLKTTSHELGRFRSAIHLDTPSMTAQVAA IBQSVNEKIRDRLPVNVARELSLDOPFEVQVSGROLPDHAGPIR VVNIIGVDSNMCOGTHVSNLSDLQVILIGTEKSKNRINLIPL SGNRVLIOMERSHGTETALTALLKCGAEDHVEAVKKIIONSTKIL QRNNLMLRLDLAVNIAHSLRNSPDAGGVILHRKEGDSEFNNIT ANRIGSEHTLLFLTVGDERGGGLFLLAGPPASVETLCPRVARVL EGWAGKKEKRPQKATRSRRMEQAQLLDYISTQSARK
6375	1	1535	AIMAAATRPVRLPEAGCEORERCWNPSRSESHSGEGGLAASRT CPGRPRRPGQVVRGPTMLVTAYLAFVGLLASCIGLILSRCAK PPGRACSNPSPLRFQLOFYQVYFLALAADNLQAPYLYLYYHY FLEGQIALIYVGLASTVLFGVLASSLVDWLGRKNSCVLFSLT SLOCLELSQDYFVLLVGRALGGLSTALLPSAFRMYIHEHVER HDFPAEWTPATPARAAFVNHVLAVVGVAAEAVASHIGLGPVAP FVAAPILLALAGALARNHGBNYDRQAPERTCAGGLRCLISDR RVLLIGTIQALFESVIFPVPLWTPVLDPHGAPLIGIIFSSFMAA SLGSSLYRIATSEKYLQPHLLSLAVLIVVFSLSLPLTFSTSP QBSFVBSFIAPLLIKLACGLYFPMSFLRRKVIPTBQAGVLN

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			WFRVPLHSLACLGLLVLHDSDRCTGTRNMFSCSAVMVMALLAV VGLFTVVRHDAELEVPSPTRPEYAPEL
6376	380	1437	YSSTDIDHYRPSFLVNSKMPSPKESWSEKTNRAAVHKSQKQGRQ QDLLIAALGMLGSPKSSVTIWQPLKLFAYSQLTSLVRRATLEB NEQILPKYKIHNFVHTPRGPHWCSEYCAFPWGLLAQGVKADC GLNVHKKCSKMPVNDCKPDLKHKVSKVSCDLITLVEKHTTKRPM VVMCIRETESRGLNSEGLYKVSQSPDLKEDVKMAFDRDGEKAD ISVNMVEDINITGALKLYPRDLPIPLITYDAYPEPTESAKIMD PDEQLKTLHAKLLPPANCSTLYLMAHLKRVTLHREKELMNA ENLGI VFGPTLMRSPPELDAMAALNDIRYQLVVELLIKEDILF
6377	2311	1845	SRIRHESRRRPREPPGSPRRRRRRRPFDRTPSEKTPKQRTTFE QRVEDVRLIRBQHPTKLPVI IERYNGEKQLPVLDKTKFLVPDHY HMSLIKI IRRRLQANQAFLLVNGHSMVSVSTPISEVYSE KDEGFLYMYASQBTGMLSV
6378	686	191	GAGPWEAFPDGIGRRSRRLFPQYKRPGEVGGDSGRNMVA DLALIPVDIDSDGVFKYVLIRVHSAPRSGAPAESKEIVRGYK WAEYHADIYKVSQDMQKQGCDCCLGGRIHQSDKKIHVYG YSNAYGPAQHAISTEKIKARYPDYEVTWANDGY
6379	35	378	ERAGSPSPSRAALRRCAPORSQAPENPDRACRRSFQGSQGRAY LFNSVVNVGCGPAERVLITGLEAVADIYCNCTTLGWKYHHA FESSQKYKBYKI IRLARMIKONGND
6380	1414	462	PAVQGORAGGPPFGRSGENMARFALTIVRHGETRFNKKIYQGO GVDBPLSETGPKQAAAAGIPLNHFVKTAFSSDLMRTKQTMHGI LERSKFCQDMTVKYDSRLRERKYGVVECKALSELAMAKAAREE CPVTPPGGETLDQVMRGIDFFELQLLLEADQKEQFSQGS PSNCLETSLABIPLQKNHSSKVNDSGIPGLAASVLVVSNGAY MRSIFDYFLTLKCSLPATLSRSELMSVTNTGMSLPIINPEEG REVKPTQCICMNLQDHLNGLTENSLGLNLPKSNHPEPLKGV LALFTSLIC
6381	1668	218	AVVRAQSGRSPSGAGWRPQAAAMNFSEVFKLSSLLCKPSPDGR YLASCQVYRLVVRDVTQLQLQLYTCLDQIQHIENSADSLFILC AMYKRLVQVNSLBQPEWHCKIDEGSAGLVASCNSPDGRHILNT TRPHLRTVNSLCTKSVSYIKYPEACLGQITFTTRDGRYMAAER RDCKDYVSIFVCSNQLLRHFOTDQDLGLEWAPNGCVLAVWD TCLBYKILLYSLDGRLLSTYSAYEWSLGKSVANSPPSSQFLAVG SYDGKVRILNHTVNMITEFGHPAALNDPKIVVYKRAKESPOLG LGCLSPFPFRAGAGPLPSSSESKYELASVPVSLQTLKPVTDRAEP KIGIGMLAPSPDSYFLATRNINPNAVWVDIQKLRFAVLEOL SPVRAPQWDPQPRLAICTGSRLLYLWSPAGCMSVQVPGBDPA VLSLCWHLSGDSMALLSKDHFCLCFLETRAVVGTACRQLGHT
6382	2	1062	FEDEDRNLCLTAYPLEGHDGIVDIVDHSDEPKSLLRWTTNK KHVLETKPTKDNVQRKREKESKLEEFNWKSEVLYY TVEKKGNISSQLKHYNPWSMKCHQOOLQRMKENAKHRNQYKPI LENLTSRYEVPCVLDLQMGTRQEGDDASEKKAANQIRKQOSTS AVIGVRVCGMQVYQAGSGQLMFMKHYGRKLSVQGFEBALFPFP ENCRYLRRELGLPVLLKLTJLJAVLERQESYRFPYSSLLVITYDG KERPEVVLOSDARDLEDLSERSADESAGAYAKPIGASSVDVRM IDFAHTTCRLYGEDTVVHRGQDAGYIFGLQSLIDIVTISEESG E
6383	3159	1061	SPAPGRPSPHGSQPAARAAAAPAMPSAKQSGSKGGHGAASPSEK GAHPSAARPLAAPTAPACRSPSPGAPASFPGRAPRSLASQP AARAAAAPAMPSAKQSGSKGGHGAASPSEKGAHPSGGADIVAKK PPAPQPPPPPPAPHPQOHPOHPOHQAHGKGGHRCGGGGGGS SSSSASAAAAAASSASCSRRIGRALNPLPYLALVAAAAPS GNCVHHVLEEVQVQVRSQDFSRQRRLGQGLQGVQKVSLOA TPGTFSIILRSSQHKQDLTERAVKQGESVSRISSEVLQKLONBI

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			LEQLSDGIHVVKDARRKDRFTSLKNTVERELTELTKSINDNTAIF TEVQKRSQKRINDMKAKVASLEESSENGKQDLKALKRAVKIQT AKSRMDMEALRSTLTQTMESDIITVEVELVSLRQQAPEKRAAD TERLALQALTEKLLRSRESVERLPEBTRRLLEELRLQKXDSHGP KEGCGFPHSEAPFALQOKSQGLDSRLQHVEDGVLSMQVASARQT ESLESLLSKSEQHBQRLAALQORLEGLGSSRADQGLASTVESL GETQLVLVYGDVREELERSVGEPLSTVESLQKQVQVHTLLSODQA QAKRLPPQDFLORLSSLLNLEKASVSQVREADLKLMLTAVDSLVA YVKIKETNNENLESARGLLDLDLNDLRLPVVKVEKIEKIV
6384	738	1904	IWEVPPVCLTHLHLQANQPLPFPSSSINEEDADEANRAIGKR AAPDSGKPKTKPKTKQKQDPNEPQKPVSAVALPFRDTAAALEGQ NPNATFGEVSQIVASHWDSLGEBOQKVYKRTKTAARKYVLEKALA AYRASLVSKAABSAEBAQTIRSVQQTLLASTNLTSSLLNLTPLSQ HGTYSASPTLLQQLPRSLAPKPLTMRLEPNIQVTSVTIAANMP SNIGAPLISMGITMVSAPSTOVSPSVQVQQHMQLOQQQQQQ QQQQQQQQQQLOQQHMQHQQIQQQMQQHPPHMQHQQHQQH LQQQINQQQLQQQLQQRLQLQQQLQHQHQHQQSPSPRQHS TSPIPAIGSPQASQOQHQSQIQSQITQTVLSQVSEIF
6385	2	1584	PRVRANDVAAGAAQVVEAGMAKENGNGPRAPAGRSLSGTRES LAQGPDAATTDELSSLSGSDSEANGFAERRIDKPGFTVGSQAGB ALREVPLEVLRLQRESKWLDMANWDMMAKKKKIRLRCKGIP PSLGRARQYLSGGKVKLQONPGKQDELNDSMGDPKMLDVIERD LHRQFPFHEMFVSRRGGHQQDLFRVLKAYTLRPEBGYCOQAQAP IAAVLLMHMPARQAFWCLVQICRKYLPGYSEKLEATQLDGEIL PSLLQKQVSPVAHKHLERQKIDPELLYMTWPMCAFSRZLPWESVL RVWDMFFCEBGVKIIFRVGLVLLEHALGSPFKVKACQQQYETIER LRLSLPKDMQBAFLVQEVVELEPVTQRIERHLLQLRRWQETRG BLQCRSPRLHGAAILDAEPGPRPALQPSPIRLPLDAPLPGS KAKPKPKQAQKEQRKQKGRGQLEKPPAPNQMAMVVAANGDACP PQHVPPKDSAPKDSAPQDLAPQVSAHRSQESLTSQESDITL
6386	819	195	TVCGSPFLYLGIMQASRLKRELHMLATEPPPGITCNQDKQDMDDL RAQILGGANTPYREGVFLLEVIIPERYFPFPQIRPLTPIYHPN IDSAGRICLDVLKLPPEQAMRPSINLATVLTSLQLMSEPNFDD PLMADISSEFPYKNKPAFLKRNARQMTKEHARQKQKADREMLDNL PEAGDSRVHNSQKREASQLVGLRKKKPHFV
6387	1	662	PGPTHASADAWADAWAQPNMAMNKAAPPQIPDTRRELAEVLKR KQRLAETLANLERQIYAFEGSYLEDQMTYGNIRGWDRYLINQK NSNSKNDRENKFKKAEARLPSKSSVTSAAAVSALAGVQDLIER RRPGSGTRESDTSPDFHNQENRPSQEDPEOLGSGVQGVKQKAAS STSSGSHSSHKRKNRNRHSPSGMFDYDFBIDLKLNKKPRADY
6388	1	662	PGPTHASADAWADAWAQPNMAMNKAAPPQIPDTRRELAEVLKR KQRLAETLANLERQIYAFEGSYLEDQMTYGNIRGWDRYLINQK NSNSKNDRENKFKKAEARLPSKSSVTSAAAVSALAGVQDLIER RRPGSGTRESDTSPDFHNQENRPSQEDPEOLGSGVQGVKQKAAS STSSGSHSSHKRKNRNRHSPSGMFDYDFBIDLKLNKKPRADY
6389	1074	497	ARECDNMAGHRLVVLGDLHLTHRCNBLPAKFKLLVPGIKQHT LCTGNLCTKESYDYLLKTLAGDVHIVRGDFDENLNTPEQKVTVG QPKILGILHGHQVIPNMGDASLALLQKQDFVDILISGHTHKFPAF EHENKFIINPGSATGAYNALETNIPSFVLMIDQASTVTVTVYQ LYGDDVKVERIEYKXP
6390	158	535	GRERKEGGRAPGRAPAPERNPAKMEKRETTRELLLPNWQSGSGH LTLAQRDGVPQVQVTONSPAARTGVVEGDDQIVGATIPFDMQ SQEVTOQLLNTMGHHTVGLKLHKKGRDRFPFSLGQTDWP
6391	5386	2897	VRKNSKTECYLSIQTQENFAMNLELVNCTVSSSLVTTQRLKA MSLIGSRNQLARAVLNPWMDPCTKOLLTTTSERIYATLRFDFE DQKKALETAYAMVHSHSPSPKCTDLHGPPGTGSKTIIVGLLYRL

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			<p>LTENQRKHSDENSNAKTRQNRVLVCAPSNAVDELAKKIILEF KEKCKDKKNPLGNCGDINLVRLGPKESINSEVLEFSLDSQVNER MKKELPSHVQAMHKRKEFLDYQLDELGRQALCRGGREIQRQL DENISKVSKERORLASKIKKVVQGRPQRTQSIIILESHIICCTLS TSGCLLLESAPRGQGGVFFSCVIVDEAGQSCIEITLPLIHERCN KLILVGDPEQLPPTVISMAQBYGYDQSMARPCRLLEENVERH MISRLPILQLTVQYRMHFDICLPSPNYVYNNRLKTNQTEAIRC SSDWFPQPYLVFDVGDGSEREDNDSYINVQIKLVMEIKLIKD KKKDVSPFNIGIITHYKAQKTMIQKDLKBPDRGPAEVDTVDA PQGRQKDCVITVCVRANSIQGSIGFLASLQRLNVITIRAKYSLF ILGHLRLTLMENQHNQILQDAQKRGAILKTCOKNYRHDVAKLK LKPVLQRSLTHPPTIAPEGSRPQGGPSSKLDGFAKTEVAASL YHTPSDSKEITLTVTSKOPERPVPVDQLQDFRLKRMGIKVGGO IPLNDPQSPSPQDGGATPFGEPGFVVDLQSHVQQAFAVAA LSSHKPPVGEPPAASPEASTQSKCDDPBEELCHREARAFSE GRQKCGSETHHTERSENDRKTLQEDSSSKKRKLL</p>
6392	972	186	<p>CRTGVDLASSMAHRLQIRLLTWDVKDTLLRLRHPGLGRAYATKAR AHGLEVPFSALEQGFQAYRAQSRSFPNYGLSHGLTSRQWNLQV VLOTFLHAGVQDAQAVAPIABQLYKOPSHPCWQVLDGAEITLR ECRTFGLRLAVISNFDRLLEGILGGLRLRHPDFVLTSEAGWP KPDPRIPQEARLAEHMFVVAHVGDNYLQDYQGFRAVGMHSFL VVGQALDPVVRDVPKHEILPSLAHLPLALDCLGSGTFL</p>
6393	2017	730	<p>TGGSQMAAVATCGSVAASTGSAVATASKSNVTSFORRGPRASVT NDSGPRLVSIAGTRPSVRNGQLLVSTGLPALDQLLGGGLAVGTU LLIEEDKYNIIYSPLLFKYPLAEGIVNGHTLLVASAKEDPANTILQ ELPAPLLDDCKKEFDEVDVNHRTPESNIMKIAWRYQLLPKME IGPVSSSRFGHYDASKBMPQELIRASNWHGPFLEPKISSTLKV EPCSLTPGYTKLQFIQNTIYBEGFDGSPQKKQNTLLRIGIQN LGSPLWGDICCAENGNHSHLTFLYVLRGLLRSTLSACITM PHTLIQNKAIARVTTLSDVVVGLSPIGSERETNPLYKDYHGL IHIRQIFRLNLIQDSDDVDLAFKLKRLKFTIERLHLPPLSD TVSRSSNDLAEAKRLGPGCGWQGGKKHLDY</p>
6394	1418	511	<p>GAAAGGEGARRRPAAMATVMAATAARAVLEEFPRNLLHDEVHA VLKQLQDILKEASLRFPLPCSGTEGPAKQENFLLGSGTDDQVKQ VLTLQDQALSQADVNLEMPRENQILLHPAFREDEQWKLQIQDAR NHVSQAIYLLTSRDQSYQPKTGABVLKMDAVMLQLTRARNRLT TPATLTLPEIAASGLTRMPALPESDILLVNVYINLNKCLTVYQ LHALQPNSTENFRPAGGAVLHSPGAMPENGSRLEVSHVHKVEC VIPWLDALVYFTVSLQCCQLKOKISVFSSYNRYRPF</p>
6395	13	658	<p>PSGRPTRPLCAARRGAAREGGSVSGNPAERTPTETSNPGSSVM ESVTFEDVAVBFIQENALLDSARRSLCYRMLDQCRTLASRGTP PCKPSCVSLQGRABPRATERGILRATGVANESQLKPRELPSMQ DLLEASSRDNQNGPGLFLENQLVFSIERETPLTREDRPAQRE PPWSLCTGLKAAQIQRVVIFVPTLGERNFWVARDGGE</p>
6396	1	1221	<p>ANILSSPSKRGQEGTLIGTSFEGTFLYNFMGDAFQHSQSIPRF IKESLQILKESDSRQIFPYFLCLNLLPTFVLEFYGVLTNSLGLI SDGFHMLPDCSALVMGLFAALMSRWKATRIFSYGYGRIETLSGF INGLFLIVIAFFVFMESVARELIDPFELDTMLTTPSVGGIIVNL IGICAPSBANSHAGASQGSCHSDHSHSHMEGHSNHHGHS GSAGGGMNANRQVFLHVLADTLQSGIGVIVSTVLIEQFGWFIAD PLCSLPIALILFLSVVPLIKDACQVLLRLPPEYERELHIALEK IQKIEGLISYRDPHFWRHSASIVAGTIHQVTSVDLEQRIVQOV TGILKADAGVNNLTIQVEKEAYFQMSGLSTGFHDVLAMTKQMES MKYCKDGYIM</p>
6397	391	122	<p>GAGGVGRFAIRAPARMIEVVCNDRLGKKVRVKCNFTDDTIGDLK KLIAAQGTGRNKKVLKQWYTIKPDHVSIGDYBIHDCMNLRLYY</p>

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6398	353	1306	Q HKQMGPLINRCKKILLPTTVPFATMRINWLGILLPPLILLISGLQ RPTGSEVAIKIDPDPAPGSFDDQYQGCSSQVMEKLTQGDYPTK DIEAQKNYFPMQKALHAWLNQGVLPONMTTTHAVAILFTILN SNVHSDFTAMASVARTPQYERSPHPKYLYLTSALQLLRKD SIMENGLCTYVHYRTKDVHFKATGATIRPQQFLSTSLKSEA QKFGNQLPTTITCLGAPVQYPSLEKEVLIPPYELFKVIMSYH PRGDLQLRSTGNLSTYNQQLLKASSKRCIPDPIAYASLSPLTS VIIPSKSRV
6399	75	1245	FNLETYFGRRCKKDSNPTPTHTPVCRRKTUVSKRGVAVSGPTK RRGMADSLSTPLPSFEDRLAKLHPSKELLEYQKMARCBARN EDLLKLELYKACGGHLECDLQQRREIARLQKALSDMQVC LFQERHVLRLYSENDRLRLRELEDKKKIQNLJLALVGTADAGEVT YFCKEPPHKVITLQRTIQAVGCEGCESSAPKADPKLSKRPSR ERKESSEHYQDRIQTLILQVEALQALGBOIKLSREQIEGLIED RRHLREKIQVQRNQNKKELTKNLEHTQLLYESTKDFQLR SEKQKESWMLKDNLSKIKQYRVQCKKEDKIGKVLVPMHE SHEAQSEYIKVMSLCNREVVYPGSRVVGIPINLOFVM
6400	2520	1053	KTWKCEVYVVSQATLRHCCGYAMTKGKPHNLNERKDPETWL DNISVTFPLSLDQLKNETLDLILSLSGAVQLKHLNNLETLKR DPLELLPLSLPYLLKWLDPQTLTCLLVKQWKEVLSACTBVN QTACKNLQNTDSSVQDALHKKVYLKAILRMKQLEDHRAFETS SLIGH SARVYALYKDGLLCTGSDDLKANLNUVSTGQCVYGIQT HTCAAVKFDQKLVTSFDTTACWWSGARTQHFREHTGAVP SVQYNDLDELIVSGSADPTVKVWALSAGTCLATLTGHTBWTKV VLQRCVKVSLHSPGDYILLSDKYEIKINPIGRBINCKLKT EVSERDSICLPRLHFDGKYIVCSSALGLVQWDFASYDILRVIK TPBIANLALLQFODIFALLFDNRVLYINDLRTESLISEWPLPEY RKSKRGSSPLAGEASWINGLDGNDTGLVFATSMFDHSIHLVLN KEHG
6401	109	766	PGAANSRPDLRGCTGFPQPALEMLVLPSPCPPLAFSSVETMEG PPRRTCRSPGPGSSSIGSPQASSPPRPNHYLLIDTQGVPTVL VDEESQREPGASGAPQKCYSCPVCSSRVFYMSTYLRHSITHS EVKPFBCDIGKAPKRAHSLARHSIHLAGGRPHGCPICPRRP RDAGHLAQHSRVHSGERPQCPHCPRRPMBQNTLQKHTRWKHP
6402	1196	279	TTSQCGGIRGSSAIFVASHEFAATCLRNALLPBEQDPKQEN GAKNSNQLGNTSESSSETCSSKSHDGDKFIAPPSSPLKKQE LENLKCSILACSAYVALAGDNLHMLNADKLLQPKLSGSLKP LGHLAARALISLDRISDAITHLPENVTDVSLGISSEBQDQGS DXGENEAMESGKRAPQCYFSSVNSARTVMLFNLGSAYCLRSEY DKARKCLHQAASMIHPKEVPPRAILLAVYLELQNGNTQLAQII KRHQLLPAVKTHSEVRKKFPVQPVHPIQPIQMPAFTTVQRK
6403	2	1690	RGTHSVLQGNLQNMYSBNNVIMLNNLITVOQRNLTINLQ RSVDDTSQAIQRKNDPQNLQOVFLQAKKDTDLKSKVQSLQTL AAMNSALAKANNITLEDMMNSQLNSFTGOMENITTSQANBQMLE DLQDLHKDAENRTAIPKQLERFQLFETDIVNIISNISTAHH LRTLSNLNEVRTTCTDTLTKHTDILTSINNTLANRILDSVSLR MQQDLARSRLDTEVANLSVIMEKMLVDSKRGOLIKNFTILOGP PGFRGPRGDRGSGQGPQPTGNKQKGRERUEPGPPAGERGPIG PAGPPGERGGKSGSGSQGPKGSRGSPGKPGQPGSPGDPGPPGPP GREGLPGPQGPFGPQQLQGTGVEPGVPGPRGLPGLPGVPGMPGP KGPPGPPGPGSAAVPLALQNEPTPAPEDNSCPPHKNFTDKCY FSVKEKIPEDAKLPCKDKSSHLVPINTREZQWIKKQMVGRESH WIGLTDSERENWHLGTSDDYKNWKAGQPDNWHGHHGCGEDC AGLIYAGQWDFQCEVDNFIKCKDRETVLSSAL
6404	1012	222	AAALAMAPAPGLISVFSSQELGAALQVLAQRAACCLAGARA

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6405	1	1456	RPALGLSGGSLVSMALARELPAAVAPAGPASTLARMTIGFCORELY PPDHAESTYGLYRTHLLSRPLIPESQVITINPELFVEEAAEDYA KKLRQAFQGDSPVPPOLLILGVQPDGHFTCSLFPDEPLLOEREKI VAPISDSKPPPPQQRVTLTLFVLNAAARTVIFVATGEKGAAVLEKI LEDQENPLPAALVQPHTKGLCWPLDEAAARLLTVPPFEKHSPL AALPRPTTPRAPLGRBGTGSDSEMAASNPYGRVAVATLRNHRPR TAQRAAAQVLGGSLFNHGLQVQQQQQRNLSLHETMSMILLQE AGVSVPFGYVAKSPDEAYALAKLGSDDVVIKAQVLAGEGEGGT FVSGLGKGVKIVFSPREKAVSSOMICKLPTQTGERGRICRQ VLVCERKYPREYYFAITMERSPGCPVLIGSSHGGVNIEDVAAB TPRAIIEEPIDIEEGIKKEQALQLAQKMGFPFNIVESAABENMV KISLPLKYDATMIBINPHVEDSDGAVLCHDAKINFDSNSAYRQK LTFDLQWTFQDERDRDAKAAKLANHYTIGLGNIGLVNAGLAMA TMDIILKLGHTPANFLDVGGGATVHQVTEAFKLITSDKKVLAIL VNIFFGIMRCDVIRQGVMAVEDLEKIFPVVVRLOGTEVDADA LADSGLEKLIACDLDRAARNVVKLSIVTLARQAHVDVFKQLP I
6406	1036	167	HPRQMRGDDTPPEAPFYSSGRYDSIKTEVSQCPEDLTVCRAFTAD DDDDHDDHEDNDNRNDSEGDPERLKAPNMFVRLPVDNLDNR VFISKQPREKIQAIRSCSRQFPFQERARKIRITYLESCHRWK KMGMEWTRPTPHLTSAMAENLAAACESESTRKAAKRMRLBIYQ SSQDEPIALDQKHSRDSAAITHTSYLSPASSYSQDPVYANGGLN YSTRGYGLSSNLQPPASLQTGNHNSNGESGEARALASRPAPSWV CRAALGSGNGRGKQRPVNERGCLTA
6407	492	150	VGLCLAVSQTVLQALDALLVFPQVQAQLSCTLSQPHVTIRDYGV SWYQQRAGSAPRYLLVYRSEEDHRRPADIPDRPSAAKDEAHNAC VLITISPVQPEDDADYYCSVGYGFSF
6408	1458	903	RGCITSSQAWRLFGGVTRGFNMRIKCYFCSGPIYPGHGMMFVR NDCKVFRFCKSKCHRNFKKKRNPRKVRNKAFFKAAGKELTVON SPFEKRRNRPIKYORLWAKTIDAMKRVKIKQKQAKFTIMNR LKKNKELQVQDIKEVQNIHLIRAPLAGKGRQLSRBMVQQLQE DVIDMEDAP
6409	150	446	NTALANLLRCFTCDRLCGGCTAPAPPAHQGIVLQPVMPSCDPGP GPACLPFTTFRSYLPCRHTSVCVCHRAHLAKHDELKSKSPQS HGRAYLNSV
6410	85	607	RGGTAGCVACLGGNGQSSSPKAAFPAGSACLPADESCPCILLPQAC AISGLFNCITIHPLNLAAQVNMIMNAPLILLCEAPFCQFTEFA NTVAEKVDRLASNQKAVFYCGMAVVPVIVISLTLTTLGNALAPA TGVLTYGLSALGKKGDAISYARIQQQRQQADEHKLASTLBOEL
6411	302	772	RLSINASSLNDPFGSRITTVRGDLFACPRTDGLAHCTSEDCRM GAGIAVLFKKKPGGVQELLNQKKSGEVAVLKRDGRYITYYLITK KRASHKPTIYENLQKSLKAMKSHCLNGSVTDLSPRIGCGGLDRLO NENVSAMIKREVFEATDIKITVYTL
6412	61	1709	RPVTSFSPILPGSCGGRIGTRITMLGSLREVSAAKQCGQITPTTEL QCGCLSLIKRTKPLNAVITVSEVALKQABESEKRYNGQSLGD LDGIPIAVKONFSTSGIETTCASNMLKGYIPFYRATVVQKLLDQ GALLMGRNTNLDRAFMGSGSTDGVEGPKVKNPNSYSQKYREKRQK PHSENEDSDMLITGGSSGGGSAAVSAFTCYAALGSDTGGSTENP AAHCGLVGFKPESYGLVSRHGLIPLVNSMDVPGLITRCVDDAAIV LGAAGPDRDSTTVHEPINKPMLPSLADVSKLCIGIPKEYLV PELSSSEVQSLNSKAADLFESBEGARVIEVSLPHTSYSIVCYHVLC REVSANMARPDGLQYGHRCIDIVSTEAMZAATREGFNDVVRG RLISGNPFLKENYENYPVKAQVRRLLIANDVFAPNMSGVDVLL TPTTLSEAVPYLEFIKEDNRTSAQDDIPTQAVNMAGLPAVSI VALSNQGLPIGLQPIGRAPCDQQLLTAKNFRQVQFPVIOLOE LMDDCSAVLENKSLASVSLRO

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			PAPMYGGFFVKLETTYLGDPFIPYDQITAEKLAETKNAVQALID KHORIPGNIMSALLERFH
6421	1844	362	WALSLERRQPERMSNKLSPHPSVVRSEPKMASSPAVLRA SRL YQWSLKSSAQFLGSPQLRQVGGQIRKVPARNATLLEPAGRC CW DEPVRIAVRGLAPEQPVTLRASLRDKKQALPOAHARYRADTLGE LDLERRAPALGGSFAGLEPMGLLWALEPEKPLVRLVKRDVKTPLA VELEVLGDHDPDGRLLCQYTHEERYFLPPGVRRSEFVVERVEGT LFLPPEPGPPGIVDMFGTGGCLLEYRASLLAGEGFVWALAYV NYEDLPKIMETLHLLEYPERAMNYLLSHPRVKPGVGLLGISEGG ELCLSMASFLKGIATAAVVINGSVANVGGTLRYRGETLPPVGVR NRKIKVTGQYADIVDVLSPLBGPQKRSFIPVERAESTFLFLVG QDDHNNWSEFPYANBACRLQAHGRRKPKQIICYPBTGHYTEPFYF FLCRASLHALVGSPIINGGEPRAHAMAQVDANKQLQTFPHKHLG GREGTIPSEV
6422	181	2133	EGENLSWFQEPWGDIAKEFYWKTPCPGPPFLRYNFDVTGKIFIE WMKGATTNI CYNVLDERVHKKELGDKVAFYWEKNEPGETTQITY EQLLVQVQCPNSVLRQGIHREGDRVAITYMPIBELVVAHLACAR IGALHSIVFAGPSESSESLCERILLSSCSLLITDAFYRGEKLVNL KRLADRALQKCKQKGFPRCCIVVKHGRABELMGDSTSQSPPPI KRSCPDVQISWNGQIDLWHEELMQEAGDECEPEWCDARDPLFIL YTSGSTGKPKGVVHTVGGYMLYVATTFKYVPDPHARDVFNCTAD IGWITGHSTVITYGLANGATSVLPGIPTYIDVNRLSIVDKYK VTKFYTAFTAIRLLMKPGDEPVTKHSRASIQVLGTVCBPNPEA MLWYHRVGAQRCPIDVTWQETETGGHMLTLPFGATPMKPGSAT PPFPGVAPAILNESGEELBGEABGYLVKQWPFGIMRTVYGNHR RFETTYFKKPPGYVVGDCQQRDQGYWITGRIDDMNVSGHL LSTAEVESALVEHEAVAAVVGHPBPVKGECLYCFVTLCDGHT PSFKLTEREKQIREKIGIATPDYIQNAPGLPKTRSGKIMRRV LRKIAQNDHDLGDMSTVADPSVISHLPSHRCLTIQ
6423	614	1237	ANLKEIPRDLPPETVLLYLDNSQITSIIPNEIFKDLHQLEVLNLS KNGIEFIDRHAPKGVABTLOTLDSDNRISQSVHKNFAFNLKARA RIANNPWHCDCCTLQQLREMASNHEHTAHNVIKTSVLDEHAGRP FLNAANDADLCHLPKRTTDYAMLVTMFGWFTMVISYVVVYVRQN QEDARRHLEBYLKSLPSRQKKADEPDISTVV
6424	1	1188	KRVSWPFAVWVHCSCVLPRKYGNPIDKLRIFTRGGSGGNGYPRL GGEGGKGGDVWVVAHNRMTLAKQLKDRYPKRFVAGVGANSKLSA LKGSKGKOWEIPVPVGISVTOENGKIIGELNKKNDRI LVAQGGL GGKLLTNFLPLKQKRIIHLDLKLLADVGLVGFPAAGKSSLLSC VSHAKPAZADYAFITLKPRLGKIMYSDFKQISVADLPGLIEGAH MNGKMGKFLKHIERTRQLLPVVDISGPQLSSHTQYRTAPETII LLTKLELYREBLQTKPALLAVNMDLPDAQDEPHLMSQLQNP KDFLHLFEKNMIPERTVBFQHIIPISAVTGEIEELKNCIRKSL DEQANQENDALHKOLLNLNLSDTMSSTEPFSKHAVTTSEMDII
6425	1850	1144	LAMEGGGGIPLFTLKESQSRHVLPA SFVNLSLQKSNWGLITG LVGGTLVAVYAVATPEVTPALRKVCLPFPVATMKQIENNVKMLR CRRGSLVDIGSGDGRIVIAAAKKGPTAVGYRLNPWLWYSRTA NRGVEGSAKTYISDLKVTTPSYSNVVI FGVPQMLQLEKLE RLEDDARVIACRFPFPHWTPDEVTGEGIDTVWAYDASTPRGRE KRPCTSMHFQLP IQA
6426	30	565	SRGAVGGSVAGGEIRGDTGGHDTAAPGRFSFSPEPTLEDIRR LHAFPAABRDWBPQFQRMILLALVGEVGLAELPQNKTDGEPG PQGSFPRERAALQEELSDVLYLVALAACRVLDPLAVLSKMDI NRRRYPAHLARSSSRKYTELPHGAISEDQAVGPADIPCDSTGQT ST
6427	145	959	AASWGPFPVPRAGKMSNMICRLVVLVFGMLCPAYASYKAVETK NIREYVRHMMYNI V FALFMAAEIVTDIPISNFPFTYELKMAFVL

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			NILSPYTKGASLLYHKFVHPSLSRHEKTDAYIVQAKERSVETV LSFGKRGLEIAASAAVQAATKSQGALAGRLRSFSQJLESISDA PAPATHDPLYLEQVSHREPPIGTRAGGLQSDTDEDCNSOTRA VPRAPARPRKPLIRSQLRVVKKPPVREBGTSRSLKVKTRKKT VPSDVDS
6428	1982	444	SGSGGKMDHQHVPIDIQTSKLLDVLDRRHCSLQWQSLVLTIR EKINAAIQDMPSEBRIAQLLSQSYIHYPCLRIILDLLKGTAST KNI PGYSSQRMKQOEIIALYBKDNTYLVELSLLVRVWNYEI PSLKQIAKCOQLQOYRSRKEECQAGAABMEQFVHSCQYGI TGEHVGKLLALVKDLPQLAEIGAAQQLGEAIDVYQASVGF VCESPTBQVLPMLRFVQKRGNSTVYEWRTGTBPSVVERPHLEL PEQVAKDAIDWGDGVEAVSEGTDSGIGAAAGIDWGI PPESDS KDPGGDGDIDGDDAVALQITVLEAGTQAPBQVARGPDALTLEY TETRNQPLDELMELEIFLAQRAVELSEADVLVSQFQLAPAIL QGQTKRMVMTVSVLEDLIGKLTSLQLQHLFMIASPRYVDRVT EFLQQLKQSQLLALKKLMVQKQEALEEQAALEPKLDLLER TRQLQLLEADISKYSGRPNLNGTSL
6429	3413	3442	EPSSWTAAPRCPLAHPLEAAVQEDDRALSFDSRIKVPANGTL VVKSVTDKADGDIYLCVARNKVGDDYVVLKVDVVMKPAKIEHKEB NDHKVYFGGDLKVDCAVATGLPNPISWSLEFDGSLVNSFMQSDDS QGRTKRYVVFVNGTLYPMEVGMREBDDYTCFAENQVGMDEMVR VKVVTAPATIRNKTCLAVQVPGDVVTVACBAKGPMPKVTNLS PTNKVPIPSSEKQYIQDGTLLIQKQASDSGNTYCLVRNSAGE DRKTVMIHVNVQPKINGNPNPTITVRIAAGSRKLDCKAEG IPTPRVLWAFPEGVVLPAFYTGRIITVHGNGSLDIRSLKSDSV QLVCMARNEGGEARLIQVLTVLEPMKPIPHDPISSEKITAMAGH TISLNCSEAAGTPTPSLVWVLPNGTDLQSGQQLQRFYHKAGMLH ISGLSSVDAGAYRCVARNAAGHTERLVSILKVLKRPANKQYHNL VSIINGETLKLPTCPGAGQGRPSWTLFNGMELBGPQLTGRVSL LNGTLTVREASVFDRTGYVCRMETETGSPVTSIPVTVIAYPPR ITSEPTPVIYTRPGNTVKLNCAWMI PKADITWELPKSHLKAG VQARLYGNRFLHPQGSLLTIQHATQDAGFYKCAKNTILGSDSKT TYIHVF
6430	1946	602	RTRVSTGLRRTLLWSEAVGASSTRGDTGIPGSGGAGAGPGGGEG AMLEMAEPPSPDPPPLEPETQPFKERRRTIEDFNKPCSFVLA YAGYIPPSKRESDNPAQSSSPLRGESAADSGDNDAPSDLRTI QTFVKAKSSKRRAAQAGPTQPGPPRSTFSRLQAPDSATLLERM KLKDSLPLDGPKEVASPLSPSTLHTSRPPAALTPVPLSQDLS HPPKKDRKXNKLGPACAGPGVLRPRPTPGGKRSRIKKS KXKLKKAERGDLPPPGPPQAPPSTDSERERERERERERERER TVVGGRAVPVLPPTPEAPRPPATVHPEGVPADSEBSEKVGSTB TSQGDASSSGEMRVMDIDMVSQDSDSWDLITCYCRKPPAGR PMIECSLCGTWHLSCARIKTNVPDFFYCQCKELRPEARRLG GPPKSGEP
6431	3	605	WNNSSYNLPAYAPYLPCEACAMQDGRKGGAYAGKMBATTAGVGR LEKEAIRRICKRLKALREKTGREDDKEDGEPKTKHLREBERCEKH RELRLNTYVPRDEDLKRRVPOAKPVAVREKVKEQLEAAKPEPV IEEVDLANLAPRKPDNDLKRDVAKKLEKLKRTQRAIAELIRER LKGQEDSLASAVDAATEQKTCDS
6432	56	1692	GGLGTMGSRKQNPETTFEVYVEVAYPTGTGLSDPEVQRFPE DYSQDEVLQTLTKPCFPFYVDSLTVSQVGNFTFVLTDIDSKQR PGFCRLSSGAKSCFCILSYLWFEVYELLNLIADYTTKQENQ WHELLETLHKLPIPDGVSVHLSVHSYFTVPDTRELPSIPENEN LTEYFVAVDVNMLHLVASHLYERRILIIICSKLSTLTACIHGSA AMLYPMYVQHVYIIVLPFHLDDYCCAMPYLIIGIHLMEKVEN MALDDVVILNVDINTLETFFDQLQSLPNDVISSLNRLKRVSTT

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			TGCGVARAFIQAQAFPGSYRNALKIEPEPITFCERAPVSHYR SGAMRQFLQATQIQLFKQFIDGRLDLINSGBGFSVDVFEENIM GBTAGSDKLYHONLSTVRKSGAILNTVTRKANPAMKTVYKFDI AENGCAFTPEBQLPKTAPSPLEAKDPKLRDRRPITVHPGQVR PPRPHVVRKPSNLAVEGRRTSVSPSEONTIATPATLHILQRSI THFAAKFVTRGWTSSSH
6433	1524	484	APVTKREKVFPAKSGSALDAGRDPKRPALFETLCSGWSNIA PTTPPQPGWCLCGKDPKSSCQTEGKREKRELATMHGSCSFLMLL LPILLLLVATTGPVGLATDEKRLMVEILHNLVYRAQVSPASDML HMRWDELAFAFAYARQCWGNHKKRGRGRGNLFAITDEGMIV FLAMEBWHHREHYNLAAATCSFGCMCGHYTQVWATERIGQG SHFCEKIQGVEETNIELLVNYPGNVGRKRPYQEGTPCSQC SGYHCKNSLCEPIGSPEDAQDLPLYLVTAPSPATEASDSRRMG ABGPDKPSVVSGLNSGPHWNGPILLGLILLPLVLGATP
6434	40	2002	MPQLNFGMADPTOMGGLSMLLLAGEHALGTPEVFSGTCPDVSE SPLELQKSPLEFQPARISSTSHSDASTKQCTTSALPQPARISSE TSQLOGARFVKRCOKSALPQLABWCLASGCMKEESKLIKAKES DGGRIKELKGEKEKEIKMEKTDTRIQRARFEKSAKENLRDS KELNFEALQIUDIMALKMEDPKIRKEBLEEDHKCSHFPDPFY SASSKIIISDVPSRKDMCHPHGIMILEDFALNKKPERLKKKK KSKMDRHDNDKSTPKTKCKRQSSSDIRSVITYTIEAVAGDNG IEKLDGTPRKVKETSSSGKGSILDAKPPKRVKSRKKMSKKKS SDTTKESRPPDFISISAKENISGETPEGIKAEPLTPMEDALPPS LSGQAKPRDSDCRKHETCGSRKRSRSCGALYKTLVSEGLTS LRANVDRGRSSGEGNSSDHEGCMNRESWTFSGTSGSKPKK TKPERDCLCSAKLDEEFKKEKPSLQVSPVTFDRKCVVPKPK KKTGNVSSRPRTSKSGSGDKWSNKQLFLDAIHPTETAPSEDRPT MEPVHVKNIPIFNTPEPTTARTFGGQPEKSKENPDYSPOQ DTQRAGYHHEBVLWMTNLMNCGVLEQLRHTANTNA
6435	2227	657	ALQDAAAAYAHPEYERPLQERTVSQINSIELLQTRPLALPH VVKSQRPLOQVHLGRPASQPTVIRGITYYKAKVSEENDIEE QQDEFFSGDNGVDLLIEDOLLRHNGIATSVTRRPAATRQGSTA VTSGLNARTAPWSSALPQSTSDPSIANHASVGPTLQTTSVSPD PTRESVLQSPQVPATVAHTATQPPAAPPAVSPREALMBAM RTVPVPPTTVETSLGKADAPAGROTTPASPTLSPREEDDIRNVI GRCKDTLSTITGPTTQNTYGRNCGAMKDFLAKDERIYVTVYY GNTLVEPELENPEQGRNSNSYKLPYSWIGTGHVVYNGAFYINR AFTNIIKIDLRQRYVAWAHLHDVAYEATPWRNQGHSVDVFA VDENGLMLIYPALDDBGFSQEVIVLSKLNADLSTQERTWRTG LERNFYGNCFVICGVLYAVDSYNQNNANISYAFDTHTNTQIVPR LLPENBYPTTQIDYNPKDRLLYANDNGHQVTHVLEAY
6436	1295	341	GACRPPVRQDPDSGPDYEALPAGATVTHMVACAVAGTLEHCVM YPIDCVKTRMQSLQPDPAARYRNVLKALWRIIRTEGLWEPMEGL NVTATGAGFAHALYFACYBKLTLSDVTHPGGNSHLANGAGC VATLLHDAAMNPAEVVKQRMQMYESPZYHRVDCVRAVWQNEGAG AFTRSYTTQLTMNVPQAIHFMITYEFLQEHFPPQRYNPPSSHVL SGACAGAVAAARATPLDVCKTLTFTQESIALNSHITGHITGMAS AFRTVYQVGGVTAYFRGVQARVIYQIPSTAIANSVYEPFKYLIT KQREWRAGK
6437	1828	360	PPAPAPPASPARHVTRTARQHLGGSRAPPLQAVFLQIKMVK LIHTLADHGDDVNCAPSPSLLATCSLDKTIKLYSLRDPTELPH SPLKFHTYAVHCCCFSPSGHILASCSLDGTTLVWNTENGQMLAV MEQPSGSPVRVCQFSPDSTCLASGAADGTVVLNNAQSYKLYRCS SVKDGSLAACAFSPNGSFFVTGSSCGDLTVDDDKRCLSEKAH DLGITCCDFSSQPVSDGROGLQFRLASCCGDCQVKIWIIVEPTH ILGPELKYKSTLSGHCAFVLACAFSHDGMVSGSVDKSVIVVD

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			INTENILHTLTQHTIRYVTPCAFAPNTLLATGSMDKTVNINQFD LETLQCARSTEHQLKQFTEDMSERDVSFWLCAQDLKDLVGIIFKM NHI DGKELNLTKESLADDLKTESLGLRSEVLKIRIRLRTRVK LSSGIPDEFICPITRELMKDPVLASDGYSEKAMENWDPAKRN RTSPP
6438	109	901	EVQILRAEMFQTGGGLVFPYGLLAQTMAGFGLFVPLDQTLPLNV NPALPLSPGTLAGSLTNALSNGLISGGLIGTLENLPLDILKPG GGTSGGLGGGLGKVTSVIPGLNNIIDIKVTDPLLEGLVQSP DGHRLVVTIPLIGIKLQVHTPLVGASLLRLAVKLDITARILAVRD RQRRIHLVLGDCSTHSPGLQISLLDGLGFLPIQGLDGLTGLN KVLPELVQGVNCPVNEVLRLGLDITLVHDIVMMLDHLQFVIVK SIQTASAITTEMASQSGTIQQLQAKRAAEKVADARKKARRL KQAKBEAQMVEBQYRREREHEPQSRQQAAMGSGQMLSAEVBQAT RRQVQGMQSSQQRNRERVLQAQLGHWCVDRPVQVHFNYRISA
6440	3	517	RARNNSDMGDLFGLVRLSLALRIQPNDDGFVYKVDGDRFGQNR IKLLTGSSYKVEVKIKPSTLQVENISIGGVLPLELKSKEPDGD RVVTGTVDTCGVPTPKSGERQPIQITMPTDICTPTVWQVVF YNTERDHCQWSSPPSVIEYECKPNETRSLMWNKESFL
6441	234	1373	KSGGLERRQRPGRSAAVGERELPFGMKKFAAMLISSVGDALGY RNVCKENSTVGKICQBELQSGGLDHLVLSPEWFPVSDNTIMHI ATARALTIDYWCDDLYREMWRCYVRIEKLPHRRPDPATIEGC AQLKPNYLLAWHTPPNEKSGSPGAATKAMCIGLYWKPERLET LIEVSVECGRMTHNEPTGFLGSLCTALFVSPAAQGEPLVQWGRD MLRAVPLAREYCRKTIKHTAEYQEMWPFYEAQWQFYLEERKISK DSENKAIFFDNYDABERKTYRKMSSSGRGGRGHADPMIAYDA LLAGNSWTELCRAMPHGGESAATOTIAGCLPGLLYGLDLVVK GLYQDLDEKKELEDLGAALYRLSTEEK
6442	34	796	AEDPAGGLAGQDTMFARGLKRKCVGHREDVEGALAGLKTVSSYS LQROSLDMSLVKILQLCHMLVEPNLCRSVLJANTVROQEBMTQ DGTWRTVAPQAARRAPLDLVLSTELCRAANGQEGAHPASGLGD GHTQGFVSDLCPTSAQAPRHLOSSAWEMDGPFRNRGSPHESLD QIFETLETQNPSCMEELFSDVDSPIYDLDTVLTCMGGARPGPC EGLBGLAPATPGPSSSCRSIDLGLDHVVEILVET
6443	2	555	MASPAASSVRPPRPKKEPQTLVPIKNAEKKLKLRLMKRNPDK AVPIPEKMSENAPRPPPEFVRDVMGSSAGSGSEFVYHILRRR BYORQDYMDAMAKKQKLDABFQKRLKXNKIAAREQTAKRREKQ KLKREKLLAKMKLEQKQEGPGQPKQCGSSSSAASGTEEBEB VPSPTNGR
6444	390	899	GSTPRGKMRAPIPBPFGDLIEIPFPFYHNAIYVGDGYVHILA PPSEVAGAGAASVMSALTDEAIKVKELLYDVAGSDKYQVNNKH DKYSPLPCSKIIORAEELVQGEVLYKLTSENCEHFVNEIRYGA RSDQVRDVIASVAGMGLAAMSLIGVMFSRNKRQKQ
6445	2	753	AGAAGAAGAARSPPQAHTKGVRGLPSEERSFPDCGRMELAGSP SEBQFWACARLQQPALAGADWQLLVETSGISYRLLDKRTGLY EYKVFVLEDCSPTLLADIYMDSDYREQNDQYVRELYEQRCNGE TVVYWEVKYPPFMSNEDYVYLRQRDLDMEGRKCHVILARSTSM PQLGERSGVIRVKYKQSLAIESDGKRGSKVFMYYFDBPGGQIP SWLINNAARNGVNFLLKDMARACONYLEKT
6446	1	1651	RCPTSPFPDTPGSRGTTAMCSLASGATGGRGAVENEDLPLLS DSGDEAAWEDDDADLPKCKQQTPLPCNRLFTSAERTPSHCKS EHQNTDSMVHKHGLEFYGYIKLINPILKNTPTVYMNSIYNPV PWEKERYLKPVLDDLLQFDVVDLYEPVSVFFSYPNGLSENTS VVERLKHMEARALSAEALARAREDLQMKQFAQDFVMHTDVRT CSSSTSVIADLQEDDGVYFSSYGYHREMLDKKIRTESYRD FIYQNPFIKDKXVLDVCGCGTILSMFAAKAGAKKVLGVQDSSI

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			LYQAMDIIIRLNKLEDTITLTKGKIERVHLFVERVDVVISWNGY FLFESMLDSVLAKNKYLAKGGSVYPDICTISLVAVSDVNKHA DRIDAFHDDVYGFMSCKKAVIPEAVVEVLDPKTLISEPCGIKE IDCHTTSISDLFPSSDFTLKITTSMTALAGYFDIYPERNCHN RVVFSIGPQSTETHNKQTVFLLEKPFSSVXAGEALKGKVTVHKNK KDPRSLTVTLTNNSTQTYGLQ
6447	1554	1068	RLGPAEWHLSGFCCHATLGANRGRALGVEAANRGAFLCQRVMP SKINLATGIPSSKVKYSRLSSTDGYYIDLPKRTPPKIPYKALA LATVLFILGAFLLIIGSLLSGTISKGGADRAVPVLLIIGILVFL PGFYHLRIATYASEGYRGYSYDDIPDFDD
6448	74	559	QQVLSHCYHYRSSRWRRGGLSRGRGAGVMALVPEYETTEFGLQK FHKPLATPSPFANHTIQRQDWRHLGVAAVVWDAIVLSTYLEMG AVELRGESAVELGAGTGLVGIVAALLACRIRYERDNNFLAMLER QFTVRKVHYDPEKDVHYEBAQKRNQKEDL
6449	597	1876	HYGVCEMLRKLRTYGSCEVDVYAKLYHRYHTLGLWQPDIGPYG GLLEVVVDGLFTIGWMTLPDHPHVDPMRPKPLPRIHLMERKA ATVECHYGHKSPHEGHIQIVKKDPSTKCNQTDHHRMSGGROEE FRTNLRREWCRTLEDIFHEHMDLILMKFIYTSQVNCCLTYRRI YLPSPRPDDLLIKPLPKGTGSGHLEIVNLSFHERRARGTKITG DPNIPAGQQTVKIDLEHRIQLPDLENQRNPNBLSRIVLEVRRV RQEQQGGHEAGEGRGRGQGPRESQPSPAQPRABAPSKOPDGTG EDGGEFGDAVAAKQPAQCGQGPVFLVGVSSRNEDYPTCRM CFYGTGLIAGHGFTSPERTPGVFIIPDRDRFGFVWLELKSFSLY SRVQATFRNADAPSPQAFDEMLNKIQSLTS
6450	848	269	FVPADRTVSGKRSLPGWEERRRGGQRTRGRFSONGGRVAAAR MRLLGLLWLSLLKVLQAQTPPLPLPPMQSFQGNQPGQENP VLGLAGNSPRPEHRLALNAFTATPLSDGRFEVWNAMTRGQHC DTHSYVLIPAAQPGQFTVDHRVWTRQAGRPODQPAQQLVAAS RDAGPVHLPQSSGPIG
6451	232	939	HSPTPTSPRSTMDVLEKFPSPLOCKEDAEHWTFMRRNQE ILPGLFLGPTSSAMKSKLPVLQKQIITHICIRQNTBANFIKPN FQQLFRYLVLDIADNPVENIIRFPFMTKEFDIGSLQMGKVLVH GNAGISRSAAFPVIAYIMETFGMKYRDAPAYVQERRFCINPAGP VHQLQFYBAYILAKLTIQMSPLQIERSLSVRSSTGTSKRTHE ERDDFGTMQVATAQNG
6452	1	652	RTRGESSNMEPLAAYPLKCSGPRAKVPFVLLSIVLCTVTLFLQ LKFLPKKINSFYAFVVKDAGRTVSLKYNKRVSLVNVASDCQ LATRNYLGLKLEKFGPSPHFSVLAPPCNQPGSEPRPSKEVES FARKNYGVTFPIPHKIKILGSBGBAFRFLVDSSKKEPRNFWK YLVNPEGQVVKFWRPEPPIEVIRPDIAALVRQVILKKEDL
6453	827	223	HRENLPGLSMSPRRTLPRLSLCLSLCLCLAAALGSAQSGSC RDKKNCVVFSSQQLRKRLTFLQYHVTOEGGTESAPEGEYTHHK DPGTYKCVVCGTPLPKSETKFDGSGGWPSFHDVINSRAITPTDD PSYGMHREVETSCSQCAHLGHIIDDGPRPTGKRYCINSAALSPT PADSSGTAEAGSGVASPAQADKAEI
6454	827	223	HRENLPGLSMSPRRTLPRLSLCLSLCLCLAAALGSAQSGSC RDKKNCVVFSSQQLRKRLTFLQYHVTOEGGTESAPEGEYTHHK DPGTYKCVVCGTPLPKSETKFDGSGGWPSFHDVINSRAITPTDD PSYGMHREVETSCSQCAHLGHIIDDGPRPTGKRYCINSAALSPT PADSSGTAEAGSGVASPAQADKAEI
6455	1042	173	RVHLATVSASAAWDALGLPVRSHMQGSTERMGVMIDVHRRFLQL LMTHGVLEENDVKRLQTHCYKVHNRNATVDKLEDFININSLVLE SLYIBIKRGVTEDDGRPIYALVNLATTSISKMATDFAKNELDLP RKALKLIIDSBTGFPASSTNIIIMLVDLKGGKMRKKEBQVLQKP VQNKWLIIEKEGFTLNGRAIILEMEQYIRETYFDAVKICNICHSL

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			LIQGGSCSTCGIRMHLPVAKYFQSNAEPRCPHCNDYNPHRLPK VFDPEKEREESGVLEKSNKSLRSQH
6456	2	555	RPQSRISIMWRNSLLQVSSGLEWLEVCAMVDILGRRLVLTCKDA TVBAEALQNKVVALYPAAARCAPSRDPTFLICDPYALVAEAR RPAPFEVVPVSDGSSQEMLDPMKELHGAWLALPFDPTREHLR KRYNVTAIPELVIVKQNGEVTINERKQIRERGLACPDWVEAA DIFQNFVS
6457	23	892	PTTGPFVTNFPNNWPDGKPPIMILYVSKINKYIHFPDPDKKIPV KLFPPLLYVGNHISGLSSTSKLSLPMPTVLRKFTIPLTLLET IILGKQYSINIILSVFAIILGAPIAAGSDLAFLNLEGYIFVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACPMIIPILIISVSTG DLQATEPNQWKNVVFILQFLLSCLFGFLMYSTVLCSTYNSAL TTAVVGAIKRVSVAYIGILIGGDYIFSLNPFVGLNICMAGGLRY SPLTLSSQLKPKPVGRENICDLKS
6458	23	892	PTTGPFVTNFPNNWPDGKPPIMILYVSKINKYIHFPDPDKKIPV KLFPPLLYVGNHISGLSSTSKLSLPMPTVLRKFTIPLTLLET IILGKQYSINIILSVFAIILGAPIAAGSDLAFLNLEGYIFVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACPMIIPILIISVSTG DLQATEPNQWKNVVFILQFLLSCLFGFLMYSTVLCSTYNSAL TTAVVGAIKRVSVAYIGILIGGDYIFSLNPFVGLNICMAGGLRY SPLTLSSQLKPKPVGRENICDLKS
6459	23	892	PTTGPFVTNFPNNWPDGKPPIMILYVSKINKYIHFPDPDKKIPV KLFPPLLYVGNHISGLSSTSKLSLPMPTVLRKFTIPLTLLET IILGKQYSINIILSVFAIILGAPIAAGSDLAFLNLEGYIFVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACPMIIPILIISVSTG DLQATEPNQWKNVVFILQFLLSCLFGFLMYSTVLCSTYNSAL TTAVVGAIKRVSVAYIGILIGGDYIFSLNPFVGLNICMAGGLRY SPLTLSSQLKPKPVGRENICDLKS
6460	23	892	PTTGPFVTNFPNNWPDGKPPIMILYVSKINKYIHFPDPDKKIPV KLFPPLLYVGNHISGLSSTSKLSLPMPTVLRKFTIPLTLLET IILGKQYSINIILSVFAIILGAPIAAGSDLAFLNLEGYIFVFLND IPTAANGVYTKQMDPKELGKYGVLFYNACPMIIPILIISVSTG DLQATEPNQWKNVVFILQFLLSCLFGFLMYSTVLCSTYNSAL TTAVVGAIKRVSVAYIGILIGGDYIFSLNPFVGLNICMAGGLRY SPLTLSSQLKPKPVGRENICDLKS
6461	1653	360	LQQTLLRTAVGTHPIAWHAWETSLGAFYGPASFTIFVNCMYF LSIFTQLKHPERKYELKEPTKEQORLAANENGEINHODSMGLS LISTSALENEHTFBSQLLGASLTLLLYVALMMFGALAVSLYYPL DLVFSFVFGATSLSPSAFTVHHCVRREDVRLAWIMTCCPGRSS YSVQVNVQPPNSGOTNGEAPKCPNSAESSECTNKASASSPKSSQ GCKLTNLOAAQAQCHANSPLPNSLPQLDNLSTHSMNDIIMHV APLEVOFRTNVHSSRHKNRSKGRASRLTVLREYADVPTSVE GSVQNGLPKSRIGNNEGHSRSRRAYLAYREROYNPPQDSSDAC STLPKSSRNFPKPVSTTSKKDALRKPAVVELENQOKSYGLNLAI QNGPIKSNQCEGPLLGTOSTGNVRTGLNKHETTV
6462	3	773	SERLDREKCLKKDSPRKTPNKRSGVPSLPVSLTSIKESPKEAKH PDSQSMERSKLQNDKCTPVNWRDSRGTRAVSSPMSQHQSYIQ YLHAYTPQMYDPSHPAYRAVSFVLMHSTPGAYLSPGPHYFVYG EMSGRETEKVNTPSVNKTITTESKALDLQAHQYRSKSPA PVEKATAEREREARERRDRHSPFGQRLHHTHHTHVGMGYPLIP GOYDPPQGLTSAALVASQQVAAQASAGMPPGQRRR
6463	2	350	VILCILGGNIIPKADRSMKKKGEPRTARARPVVDEDLKSSD LHQAREDADEHQSRENVKHIIPSHNHYPKEMVKRSQEFYRL NKRRSVRPISNEQVPMVEIDNVIRTAGL
6464	12	1154	GILRQKREERNRTHKKRILFLSHLLVVPSEMSSLSGKVQTVLG

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			<p>LVEPSKLTORTLTHERLANTFDCCYCPFPQCEAISKBPVIMKNL YNIQKNAYSHKENLQNLQETRAIKKELLYFKANGGALVENTTT GISRDTQTILKRLAERTGVHIISGAGFYVDATHSSETRAMSVEQL TDVLMNBIHLGADGTSIKCGIIGEGCSNPLTESRRKVLQATAH AQALGCPVLIHPGRSSRAPFQIIRILOBAGADISRTVMSHLDR TILDKRELLRFAQLGCTLYDLPGTELLHYQLGPDIDMPDENR IRRVRLVVEGCEDRILVANDIHTKRIAMKYGHHYSHILTNVV PKMLRGITENVLDKILIEHPKQWLTFR</p>
6465	126	1396	<p>EMTVFFKTLRNHNKTTAGLCLLTWGGHNLGKHCMDLLRRAC QRAQVFGNQLIPPAQVVKATVFLNPAACGKARTLFEKNAAP I LHLSGMDVTIVKTDYEGQAKKLLKMENTDVIIVAGDGTLOEV VTGVLRTDEATFSKIPIGFIPLGETSSLSHTLFAESGNKVQHI TDATLAIVKGETVFLDVLQIKGEEQPVFAMTGLRWGSPRDAGV RVSKYWYLEPLKIKAAHFPSTLKEWPYTHQASISYTGTERPPN EPERTPVDRPSLYRRLRLASTNAQPDALSQEVSPFVWQDVQ LSTIELSITTRNQDPTSKEDFLNICIKFDTISKGDFITIGSR RVENPKLHVGECELOASQCILLIPEAGGSPSIDSEYRAMPV EVKLLPRKLPFCDFRKEQMLTSPTQ</p>
6466	1134	828	<p>VARETSLQLEAHPADMGRRKSKRPPFKKMTGTLETQFTC PFCHHKSCDVMDRARNRTGVISCTVCLRRPQTPTITLSBPVDV YSDWIDACEAANQ</p>
6467	301	2571	<p>GEELVIALAHGELACHAVLTASILSLSRSLMDSMDYERPNVET IKCVVVGDNVAGKTRLCARACNATLTQYQLLATHTVPTVWAIQ YRVCQVLEERSRDVDDVSILRLNDTFGDHKKDRFAYGRSDV VVLCSFIANTPSELHVKTMNYFEIKHPCPRAPVILVGCQLDLRY ADLEAVNRARRPLARPIKPNWELPPEKREVAKELGIPYVETSV VAQPGIKDVFONAIRALISRRHLQFWKSHLRNVQRPLQAPFL PPKPPPIIIVVDPSSSSHECPHLLDPLCADVILVLQERVRI FAHKIYLSTSSSKFYDLFLMDLSBGLGGPSEPGGTHPEDHQGH SDQHHHHHHHHEGRDPLLRASFDVCSVDREAGSGPAGLEAST SDGILLGNGTGYLFGREVLSSWSRAPVSIQEBMAEDPLTYKSR LHVVVVMDSSIQPGPRAVLKYLTYTGLDENRDLMLIAHLAKL LEVFDLRMMVANILNRAFMNQRTITKAFHVRRTNRVKECLAKGT FSDVTFILDDGTISAHKLPLISSCDWMAAMPFGPPVESSTREVV PPYTSKSCRAVLEYLYTGFTSPDLDMDKILILANRLCLPHL VALTEQYTVTGLMEATQMVDIDGDVVLVLELAQFHCAYQLADN CLHHICTNNVNCRKFRDMKMSFENQEFYFKHRNPPVWYKKE EDHYQARKERREKEDYLHLKRPKRRWLFNNSPSSPSSSAASS SPSSSSAVV</p>
6468	3	1374	<p>DANAGTNMAALAFVGSASRGPRLAAGLRLLPMLGLLQLLAEPG LGRVHLALAKDDVRHKVHLATPGFFKQGYMVNVSSLSLNEPED KDVTFIGSLDRTKNDGFSSTLDEVDNYCILKKQSVSVTLILD I SRSEVRVKSPPRAGTQLEPKIIFSRDEKVLGQSQEPNVNPAAGN QTQRTQDGGKSKRSTVDSKAMGKSPSVHNGGAVSPQFFFNIS TDDQEGLYSLYFHKCLGKELPSDKFTPSLDIETKPNPSYLSA GRIPLPKLYTSMAPFFFLSGTINIHILRRKRNVDVFKIHWLMAAL PFTKSLSLVFAIDYHYISSGFFIEGRAVVVYTHLLKGALLP ITIALIGTGWAFIKHILSDKDKLPMIVIPRRVLANVAYITTES TEEGTTEYGLAKDSLPVLVOLLCCGAILPPVWWSIRHLQASATD GKGFPSRAHFVLLSL</p>
6469	3	1374	<p>DANAGTNMAALAFVGSASRGPRLAAGLRLLPMLGLLQLLAEPG LGRVHLALAKDDVRHKVHLATPGFFKQGYMVNVSSLSLNEPED KDVTFIGSLDRTKNDGFSSTLDEVDNYCILKKQSVSVTLILD I SRSEVRVKSPPRAGTQLEPKIIFSRDEKVLGQSQEPNVNPAAGN QTQRTQDGGKSKRSTVDSKAMGKSPSVHNGGAVSPQFFFNIS TDDQEGLYSLYFHKCLGKELPSDKFTPSLDIETKPNPSYLSA</p>

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			GEIPLPLYLISMAPPFPLSGTINIHILKRRRNDVFKTHWLMAL PPTKSLSLVPHADYHYISSQGGPISGMAVVYTHLLKGALLF ITIALIGTGWAFIKHILSDKDKKIFMIVIPRVLANVAYITIER TEEGTTBYGLWKDSLPLVDLLCCGAILFPVVWSIRHLQASATD GKGFPSRAHFVLLSL
6470	2726	1437	AAASGVSSRADAPVLAQSPASAGNGRPSTFRVPGSRHPSAPRS CPLPREDGCRTPGQQLPLPGALLRPRTLLSSAARTGRSEHFDY QHPSSGGRCRGGTSPSSAAGRPSMAEAEEDCHSDTVRADDDE EESPSASTDLQAQLQMFRAQNFELAPGVSSNLENPCRAARG SLQKTSADTKGQBOAKKEKARELPLKAVEEBQNGALYEAIFY RRAMQLVPDIEFKITTTSPDGDGVNSYIEDNDODEMADLLS YFQQQLTFQRSVLKLCQPRIESSQIHISVLEVMYIIFRWVS SDLDLSLEQLSLVCRGYYICARDPEINRLACLKVGRCIKLV PYTSNREMFLEPVEVFDGVYISKTTYIROQEQSLDGFYRAWHQ VEYYRYIRFPDGHVMMLTTPERPQSIVPRIETR
6471	1750	299	FFFDKMARGGSGVGGKRSKSDADSGFLGLRPTSDPALRRRRR GPRNKRCGRWRLAQBPGLGLEVDQFLEDVRLQERTSGGLLSEAFN EKLFPVDTSKSKKGLTKORTKVQKSLLLKKPLKVDLILENTSK VPAPKDVLAHQVFNAKLRKESQLEKLAQKQELPRVRRQAAR LLNPSATRAKPGQDPTVERPFYDLWASDNPLDRPLVGQDEFPLE QTEKKGVKRPARLHTKPSQAPAVEVAPAGASTNPSPEHQTLIS AAHEVELQRQKRAKLERQALAPATEQAATQSTFQELCEGLLE ESDGEQEPQGGEGPEAGDAEVCPTPARLATTEKTEQORRREKA VHLLRVQQAALRAARLEHQELPRLGKIAQVALRLAELARRQRR RQARREAEADKPRRLGLKYDAPDIDVQLSSKLTSLRLTKPEG NILEDRFKSFORMMIEPRERAKFKKRYKVLVEKRAFREIQ
6472	3	897	SCGSDRAQWAMEPFFDVALPPERITVLDQHLRPPARRPGTTTP ARVDLQQQINTIIDEILGKASAKAONLSAPITTSASRMQSNRHVVY ILKDSGARPAKGAIIGFIKVGKYLFLVDDRRAHNEVEPLCIL DPYIHESVQRHGHGRRLPQYMLKRVVPHOLAIDRPSQKLLKF LWKEYNLETTVPQNNFVIFEGFFAHORPPAPSLRATHSRRAA AVDFTPAAPARKLPKRABGDIKPYSSDREPLKVAVEPPWPLN RAPERRATPPAHPPPRSSSLGNSPERGPLEPFPV
6473	22	912	SSAVEFVNEGRMAEENETETITLFRRLRAVPTNKACFDGAK NPSMASITYGVPLCIDCSGVHRSLOVHLSFIRSTELDSNNWFO LRCHQVGGNANATAFPRQRCCTANDANTKINSRAAQMYREKIRO LQSAALARHGTDLWIDNMSSAVPNHSPKQSDFFTBHTQPPAN DAPATEPSGTQQPAPSTESSGLAQPHGPNITLLGTSFKASLEL KSSYIGKKKPAKAKKGLGAKKGLGQKQVSSQSPSEIERQAQVAB KLREQAADAKRQASESMVASMLAYORLOIDR
6474	3	462	LQRQRQHFAAAPAVPVRCTPCFTDIVIMPKRKSPEBEGKDS KVTKEPTRRSARLSAKPAPPKPEKPRKTSAKKEPGAKISRGA KGGKKEKQAGKEGTAPSENGETKAEITHISRSTVNVSTSRGTP PSTLSVKGQIETVVRVGTEN
6475	3	462	LQRQRQHFAAAPAVPVRCTPCFTDIVIMPKRKSPEBEGKDS KVTKEPTRRSARLSAKPAPPKPEKPRKTSAKKEPGAKISRGA KGGKKEKQAGKEGTAPSENGETKAEITHISRSTVNVSTSRGTP PSTLSVKGQIETVVRVGTEN
6476	106	1090	ARAMAQYKCTMRAGRAMHLLKRRERQEQMEVLKQRLAREBTIL KSQVDERFSAHYDAVBAELKSSTVGLVTLNMDKARQALVREER RQLAKROHLEQRLQOERQRRQEQRRERKEKISCLSFALDLDLDD QADAAEARRAGNIGKNPDVDTSPLEPDRDREREENRLREELRQEW EAQREKVEDEEMVTFPSYWDGSGHERTVVRKGNVQQLKEAL QGLRKDFLELSAGVEQLMFTKEDLILPHYHTFYDFIARARGK SGPLFSPVDHDDVRLLSDATMRKDESHAGKVVLRSWYEKNKHI PASRWEAYDPERKWDKYTIR

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6477	227	915	LQGHLMGINAASRPLSRFWNGENTVCVGENYADHVEEMRS AVL SBPVLFLRFPSTAYAPGSPILMPAYTRNLHHRLELCVVMKRCR AVPEAAANDYVGGYALCLDWTARDVQDECKRGLPWTLAKSPTA SCPVSAPVPKRIPOPHKLKMLLVNGBELRQGETSSMIFSIPIY IISYVSKIITLREGDIILGTTPGVPVKEDEIEAGIHGLVSM TFVVEKPEY
6478	2	1495	FVSSRIPLPESLASSRSTLEAMGRKREDDCSSWKRQTINIRKTF IFMEVLGGAPSEVFLVKQRLTKGLFALECKIKSPAFRDSLEN RIAVLKKIKHENIVTLEDIYESITHYLLVMQVLSOGELPDRILE RGVYTERKASLVIOQVLSAVKYLHENGIVHRDLKPNLLYLTPE ENSKIMITDPGLSKMEQNGIMSTACGTPGVAFVLAQKPYEKA VDCWSIGVITYILLGYPFPYEETESKLPKIKEDYYRPFSPFW DDISEBAKDPICHLLEKDPNERITCEKALSHPWIDGNTALHROI YPSVSLQIQKRFPAKSKWRQAFNAAYVHEMRKLMNLSHPGVRP EVENRPPETQASSETSRPSSPEITITRAPVLDSVALPALTQLPC QHEGRTAPGGSLNCLVNGSLHISSSLVPMHQGSLAAGPGCC SSCLNTGSGKSSYCSBPTLLKANKRQNFKEVMVPPVIGSGSS ECRAGTGVCLIM
6479	3	949	SCRCPCHDPAAGGQACAMELLSALSGLALSPSRVLPFPVPLS YPIVSLYLYKTEBGAVELSRRIPIASWLCAMLCFSGYILADLL LGBPLIDYPSNNSSILLASAVNYLIPFCPLDLFYKCVCFPLVKL IPVAMKEVVRVKLAVGIHBAHBYHGWFWNLATGWKSGSVA LMSNPEQLLRGVWPKETNEILHMSFPTKASLYGAILFTLQOTRW LPVSKASLIPITFLPMVSKVPLTATHSHSSPFDALGYICPVL FGSACGGHHHNDHNGSGSGGPGAQHSAMPKSKKELSEGSRK KAKKAD
6480	192	514	DFMSTYFPIHCPDYLSAKMTVMNTQPMERIGLSPRKDGLSY QLFPDPSPDFRCCCLKDRLPISIVVRPTGHEVESGELRWTFEEFL VQDEBQDNCEBTARENKEQ
6481	110	1131	KSRMDLDVVMFVLAGGTALIPILAPVASVILWPSALIRIYYWY WRRTLGMQVRYVHHEDYQPCYSFGRPGHKPSILMLHGFSAHD MNLGVVKPLPKNLHLVCDMPGHEGTTRSSLDDLSIDGQVKRIH QFVCLKLNKCPFLVGTSMGGQVAGVYAAAYPSDVSSILNLVCP AGLQYSTNQFVQRLKEQLGSAAVEKIPILIPSTPEEMSEMLQLC SYVRFKVPQQILQGLVDVRIPEHNFYRKLPBIVSEKRSYSLQ HMDKIKVPTQIINGEQDQVLDVSGADMLAKSIANCQVELLENCG ESVVMERPREKTARLIIDFLASVENTONNKILD
6482	2517	568	KPVSKVSQSERKAGVPTANTHESQAVEAAMNVPAEVCERFQA ALALSRYVLEKRPKEPYKSKYSARALLKRVKALLCPAPEDRDE RPEAKDGPAGDHALGLPAEVVEPEGVPAQRAVRLAVIEPHLGV NHIDTEKLSAGREHLVKCLALLRRYRLSHDCISLICIQAQNNLGI LNSEREEISTAQAYLESSEALYNQYMEVGSPPLOPTEPFLPPE EKLTEQERSRKEPVYTHNLYLAQVYQRLMEPEKAANYCHSTL ERQLBNAYHPLEWAINAATLSQFYINKLCPMEARKCLSAANVI PGQTGKISATEOTFEAGEVPELYHQKGEIARCWIKYCLITMQ NAQLSNQDNIGELDLDKQSELRALRKKELDEESIRKAVQPGT GELCDASAVEKVSYLRLPDPKEAREHLLGLQHYVFRKEPFPQ IDGYVTDHIIEVVQHSALFGLAPFETDMERRCKMHRRIAMLE PLTVDLNPQYLLVNRQIQFBIAEATYDMMDLKVAIADRLRDPD SHIVKINNLNKSAKYQFLDLSLDPNKPVEPHIGEDVLRPA MLAKFRVARLYGKLIITADPKLEENLATSLEHYKFIVDYCEKHP KAAQSEVELBLSKENVSLPTKMERFRTEKALT
6483	3	623	NSHLLGLHARAPLSANGREABMRQLAEFRAARKRAGLAAQP PAASQGAQTFGEKAEAAATLKAAFGWLKRFVVKRPASARAQP GLVQRAAQPGSTSETPHNTAIPLPSCWDQSFLTNTITFLKVLW LVLLGLFVLEFGLAYFVLSLPYWMVGTGTPREKKEGKESAYS

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6484	201	965	VFNPGCEAIQGTITAEQLEREILQLRFLAGE QLAVKTRMSGLRPGTQVDPEIELPVKAGSDGESIGNCPFCQRLP NILNLGKGVKFNVTITDTRKPEELDLAPGTNPPFLVYNKELET DFIKIEEFLGQLAPPYRPHLSPKYKESPDVGCNLPKPSAYTK NQQEANKNPKESLLKEPKRLDDTLNTPLDDEIDPDSASEPPVS RRLPLDGDQLTLADCSLLPKLNTIKVAARKYRDFDIPAEPSGVW RYLHNAYAREEPTHTCPEDKEIETTYANVAQKS
6485	6	1091	FVDLRAVEZFLPCPDSQKLEKKEQSSREKSGNSMRSTLREDER DREPPHVLVLYHEPSPFVGMVWHEKHKYPPFPAVVEKSVQRDK KASVLYIEGHMNPKEGFTVLSLEKHPDCKEKQTLLEQAREDP NODIGKCVSLITDYRVLGCGSFAGSFLBYAADISYPVRESIQ QDVLGTLPLQSLKSGSPKPPVVGCPGLGQPCRMPLPDRSRAARD RANQKLVBTEIGKARGAESHLRAILKSRKPSRLQTLFLSSQYVT CVETYLEDEBQQLDLVVKYLQGVYQHVGAQLQRTNGDRIRPLD VLLPRAIICAISAGDEVDTKARKKYTKGPSLSYREKRIPOHQ LEENRRRR
6486	10	581	LVLQAGCAHLSPSKVTQGIYVMLAFSEMDKPPDYSELSDSLTLA GGTGRPSGGLERAMNMFQRMGNIGVGLYLLASAAFPYVFE ISETYNRLALEHQHPPEEPLGGTINTHSLKAQLLSLPFWMTV IFLVPTLQMLPLYSCTRADPTVGYCITPICLAVICNRHQAFV KASNQISRLQLDIT
6487	352	863	SPLKPLRGKMSVTLHTDVGDIKIEVFCEPTPKTCENFLALCASN YYNGCIFHRNIGKFMVQIGDPTGTGRGCSINGKKPEDEYSYL KHNVRGVSNMANGPNTNGSQPFTTYGKQPHLDKMTYVFGKVID GLETLDELKLPVNEKTYRPLNDVHKDITIHANPPAQ
6488	878	241	TALQEPCTECPPLSLRFPALPSGTGRFKPLFGARGPSWPPSPRP MBPPNLYPVRLVYDLSKGLARLSPIMLGKQLEGIMHTSIVVH KDEFFPGSGGIESCPFGGTLGLPPDSVVDVGSSTEVTEIFLEYL SSIGESLPRGRAYNLPEHNCNTPFSNEVAQFLTKRKIPSYITDLP SEVLSTPPGQALRPLDLSIQIQPPGSSVGRFPGQS
6489	1457	375	KVAKMATALSERELNEDYYSILNVRREASSEELKAAAYRRLCML YHPDKHRDPRLKSAERLPLNLVHQAYEVLSDPQTRAIYDIYGR GLEMBGNVVRRTTPARIRREBFERLQREERERLQORTHPRGT ISVQVDATDLFDRIYDEYEDVSGSSFPQTEINKMHISQSI EAPL TATDTAILSGSLSTQNGGGGSAINFALRRVTSARGWGLEPFGAG DLQGPLFGLKLPFNLTFRCFVTINCALQPSRGIRPGLTTVLAR NLDKNTVGYLQWHCSSPFLQVORPHENTRACAPSPSPFLFVP TWDAKCSGARTPSTANTSAAVKLRBACLSGPGSGSHQLLLTPR SKRRTGGG
6490	3	1183	HEAGCEVNLGYGPRAAAAAATVLFGGAGPTETMPVARSIAADH KDLIHDVSPDFHGRMATCSDDQSVKVDKESGDWHCTASWKT ESGVSVRVTMAHPEFGQVLASCSFDRTAAVWKEIVGESNDKLRG QSHWVKTTLVDSRTSVTDVKFAPKNGMLATCSADGIVRIYE APDVMNLSQMSLQHEISCKLSCSCISWNPSSSRARSPLIAGSD DSSFNAMAKVQIFPYNENTRYAKAETLMTVTDPVHDIAPAPNL GRSFHILAIATKDVRIFTLEKPVRELTSSGGPTKEIHIHVAQFD NHNSQVWRVSWNITGTVLASSGDDGCVRLWKANYMDNWXCTGIL KENGSPVNGSQQGTENPGLSNTPSLQNSLNGSSAGRKHS
6491	3	1183	HEAGCEVNLGYGPRAAAAAATVLFGGAGPTETMPVARSIAADH KDLIHDVSPDFHGRMATCSDDQSVKVDKESGDWHCTASWKT ESGVSVRVTMAHPEFGQVLASCSFDRTAAVWKEIVGESNDKLRG QSHWVKTTLVDSRTSVTDVKFAPKNGMLATCSADGIVRIYE APDVMNLSQMSLQHEISCKLSCSCISWNPSSSRARSPLIAGSD DSSFNAMAKVQIFPYNENTRYAKAETLMTVTDPVHDIAPAPNL GRSFHILAIATKDVRIFTLEKPVRELTSSGGPTKEIHIHVAQFD NHNSQVWRVSWNITGTVLASSGDDGCVRLWKANYMDNWXCTGIL

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6492	34	2573	<p>RGNGSPVNGSSQGTENPSLGSNIPSLQNSLNGSSACRKH</p> <p>IPFLKSCCCCLFDFPPFPDQVQRECEVERVTEHGTPKPFRK</p> <p>PDSVAPGCSQSEDEQFENDLETDPPHNQQLVSRREVLLGLKPCBI</p> <p>KRQEVINELFYTERAHVRLTKVLDQVFYQVRSREGILSPSELARK</p> <p>IPSNLEDILQLHIGLNEBOMKAVRKNETSVIDQIGEDLLTWPSG</p> <p>PGEEKLKHAATPCSNOPFALENLEKSRKDSRFQTFVQDAESN</p> <p>PLCRLQLKDIIPTOMQRLTKYPLLLDNATYTWPTREKVKR</p> <p>AADHCRQILNYVNAVKEANEORLEDOYQRLDTSSLKLSYFN</p> <p>VEELRNLDLTKRMDIHEGPLVHKVNRDKTDLYTLLEDILVLL</p> <p>QKQDDRLVLRCHSKILASTADSKHTPSFVIKLSTVLVRQVATDN</p> <p>KALFVISMDSNGAQIYELVAQTVSEKTVMDLICRMAASVKEQS</p> <p>TKPIPLPQSTPGBGNDDEDPKLEKEQHGISVTGLQSPDRDLG</p> <p>LESTLISKRPQSHSLSTSSEKSEVRDLFVAERQPAKEQRTDGLK</p> <p>EVGEDYQIAIPDSHLFVSEERHALDALRNLGLLEQLLVQGLLT</p> <p>EKSVQEDWQHFPKYRTASQGPQDTSVIONSENIAKHSGEHMP</p> <p>FTGTGDIATCYSPRTSTESFAPDSVGLAPQDSQASNLVMDH</p> <p>NIMTPEMPTMEPEGGLDSDGEHVFDAEAREHSDENPSEGDGAVNK</p> <p>EKKDVNLRISGNYLILDGYPVQESSSTDEKVASLTLQPMTGIP</p> <p>AVRSTHQQHSPTNTHSDGAISPTPEFLVQQRNGAMEYSCEFI</p> <p>QSPSSCADSQSQIMRYTHKIRADLRLKRVESYTTLCQRLAGS</p> <p>ALTDKESDKS</p>
6493	557	1147	<p>TPARMAYQGSSTSDCMSTLDSASAHFAASAVVSAPVPSRSEVA</p> <p>KEQRTGHNNINGVQPSGTSKTLYSNNMALSSSPGISAVQLVKT</p> <p>VGHITTNELIPALCTSSPQTLPMNNCLTNAVHLNNVSVVSVN</p> <p>VHINTRTSAPSPALATVAASMDRVKPTPSAISSTIARENH</p> <p>EPEKLGINGIARTTVAMKVT</p>
6494	2425	1052	<p>AVAGGARPCSTPSSPHRRCCRHRPRPLPRPPAAINSASAVVLD</p> <p>LKGVLIICRNYRGDVMSSEVHEFMPILMEKEEBGMSPILAHGG</p> <p>VRPMWIKHNNLYLVATSKKNACVSLVFSFLYKVVQVPSEYFKEL</p> <p>EEESIRDNFVIIYELLDELMDPGYPQTDSKILQBYITQEGHKL</p> <p>ETGAPRPPATVTNAVSRSEGIKYRKNEVPLDVIESVNLVSAH</p> <p>GNVLRSEIVGSIKMRVFLSGMPELRGLGLNDKVLFDNTGRGSKS</p> <p>VELEDVFKQCVRLSRFENDRTISFIPPDGEFILMSYRLNTHVK</p> <p>PLIWIHSVIEKHSHSRIBYMIKAKSQFKRRSTANNVRIHIPVN</p> <p>DADSPKFKTTVGSVKNVPENSIVNSIKSFPGGKRYLMRAHPGL</p> <p>PSVEADREKGPPISVKPEIPYFTTSGIQVRYLKIIEKSGYQAL</p> <p>PWVRYITONGDYQLRTO</p>
6495	2425	1052	<p>AVAGGARPCSTPSSPHRRCCRHRPRPLPRPPAAINSASAVVLD</p> <p>LKGVLIICRNYRGDVMSSEVHEFMPILMEKEEBGMSPILAHGG</p> <p>VRPMWIKHNNLYLVATSKKNACVSLVFSFLYKVVQVPSEYFKEL</p> <p>EEESIRDNFVIIYELLDELMDPGYPQTDSKILQBYITQEGHKL</p> <p>ETGAPRPPATVTNAVSRSEGIKYRKNEVPLDVIESVNLVSAH</p> <p>GNVLRSEIVGSIKMRVFLSGMPELRGLGLNDKVLFDNTGRGSKS</p> <p>VELEDVFKQCVRLSRFENDRTISFIPPDGEFILMSYRLNTHVK</p> <p>PLIWIHSVIEKHSHSRIBYMIKAKSQFKRRSTANNVRIHIPVN</p> <p>DADSPKFKTTVGSVKNVPENSIVNSIKSFPGGKRYLMRAHPGL</p> <p>PSVEADREKGPPISVKPEIPYFTTSGIQVRYLKIIEKSGYQAL</p> <p>PWVRYITONGDYQLRTO</p>
6496	247	559	<p>LRAVSLLPLQLVLPRTYSIHSLEPCIMFLCAQENLTGLNVPLLFY</p> <p>HFWRYPHCPADSSRLAYDPPVVMNADTLSCQKEAWCKLAPYLL</p> <p>SFTYLYLCHITLVSS</p>
6497	1053	352	<p>ANTQICRLCPRRHLPFGARMGNGTERDYNFVKVVLIGESGV</p> <p>GKTNLLSRPTRESESDRTTIGVEPSTFTVMLGTAAVKAQIWD</p> <p>TAGLERYRAITSAAYRGAVGALLVFDLTHQTYAVVERHLKELY</p> <p>DHAEATIVVMLVGNKSDLSQAREVPTSEARMFAENNGLLFLETS</p> <p>ALDSTNVELAPETVLRBI FARVSRQRQNSIRTNATIGSAQAGO</p>

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6498	2636	272	<p>EPGPGRRACCSIL</p> <p>SLRLCPWGTLAGPTIMRLSSLLALLRPALPLILGLSLGCSLSL LEVSWIQEGEDPCVEAVGERGGPQWPTDSRARIQSDDEDPKPRI VPTTRDPNKPYYKVLTRYIQTGLSREELILVAVLTSRATLSTL AVAVNRTVAHFPPELLYPTQGRARAPAGNQVVSXGDERPAMLN SETLRHLTHFGADYDWPPIQDDTYVQAPRLAALAGHLSINQD LYLGRABEFTGAGEQARYCHSGPGYLLSRSLILRLRPLDGCRC DILSARPDWLGRLIDSIGVGCVSQHQGOQYRSPFLAKNRDP KEGSSAPLSAFVHVPVSEGLMYRLHKRPSALEBRAYSIEQL QAQIRNLTVLTPGEAGLSWPGLPAPPTFHSRFEVLGNDYPTF QHTFSCADGAPKCLQASRADVGDALLETALQLNRRYQPRIRP QKQRLINGYRRFPARGMEYTLDLLLCEVTQGHRRALARRVSL LRPLSRVHILPMYVTEATRVQLVPLLVARAAAAPFLAFAA NVLEPREHALLTLVYGFREGGREGADPFLOVKAARERLRY PGTRLAHLAVRABAPSVRLMDVVSKEHPVDTLFFLTIVWTRPG FEVLHRCRMAISGWAQFPFVHFQEPNALSQPSPPGPPGAGP DPPSPGADPSRGAFIGGRFDRQASABGCFYADYLAARALAG ELAGQKEKEALEGLVMDVFLRPSGLHLFRAVEPGLVQKPSLRD CSPRLSRELYHRCRLSNLEGLGQRAQLAMALFEQEQANST</p>
6499	3	2040	<p>SCSADTRPSCQANPTVGLRAAGAFRTGSPALCPETPOVACLP GHPPVRPQVSGGPGAMPDPAHLPPFYGSISRABAREHLKAGM ADGLFLLRQCLSGGVVLSLVHDVRFPHFPFIERQLNGTYALAG GKACGPAELCEFYSRDPDGLPCNLKPCNRPGLPQGVFDC LRDAMVRDYVRQTNKLEGEALBQAIISQAPQVKKLIATTAHERM PWYHSLTRREARKLYSQAQTDGKFLRPRKEQGTALSLIYG KTVYHYLSQDKAGKICIPGTRFDTLNQLVEYLKLIKADGLIYC LKEACPNSSASNASGAAAPTLPAPSTLTHPQRIDTLNSDGYT PEPARITSPDKPRPMDTSVYESPYSDPEELDKKILFLKRDNL LIADIHLGCGNPGSVRQGVYRMRKQIDVAIKVLEQGTBKADTE BMMREAOIMHLDNPTIVRLIGVCQARALMLVMEAGGGLPKF LVGRKEEIPVSNVABLLHQVSMGMKYLEEKHFVHDLAARNVLL VNRHYAKISDFGLSKALGADDSYTTARSAGKMPLEWAFECINP REKSSSDVMSYGVMTMBALSIGQKPYKMKRGPVMAPIBQGR MECPPECPELYALMSDCMIYKWEIRPDPLTVBQMRACYTSLA SKVEGPPGSTQKARACA</p>
6500	1773	726	<p>TGPTHASADAGLVREVTWCANVRGNPCAAALSCPAVLDAK MLSESSSFLKGVMLGSLFCALITMLGHIRIGHGEMHHHEHHL QAPNRKEDILKISEDEKMELESFVYCIILVKPDVSLWAAVKE TWKHCDAEFPSSENVVFESINMDTNDMLMKIAYKYAPDK YRDQYNWFLARPTTFALIEELKYFLLEKDPSPFFLGHYIKSG DLEYVMEGGIVLSVZSMRLNSLNIPEKCEPQGGMIWKISED KQLAVCLKYAGVFAENARDADGKDVFNKSVGLSIEKAMTYEPN QVVBGCCSDMAVTFNGLTFNQMEVMMYGVYRLRPFPGPYFQ</p>
6501	1	570	<p>LVGMSGGGTETPVGCEAAGPGGSKRDSIGTAGSAHLITRDLGB IHSRLLDHRPVIQGETRYFVEPEEKKROLRRMRVLENLENMHE TNEHTLPKCRDTNRDSLSQVLRQLQAANDSVCHLQOREQERKCI HSDHLVASEKQHMLOWNFMKEQPNKRAEVDKEERKAMERLKEQ YAEKEDLAKPSTF</p>
6502	213	1650	<p>AGNKPDPWAGRNRTAVLPDVSVPFHREDVGNWRSWLQOSYQAVKE KSSEALEFMRDLTEFTQVVQHDCTACTIAATASVVKELATBGS SGATERMKGLSDFLQVISDTPAPSPDRTIDCDVITLMTGTPSG ARPYDGTAKRLYSLSQSDPATYCNRPDGPPELFDANLSQFCLKEK KGLSELVLGSPSIRALYTKNVPAVSHSEYWHRYTYKVHQLBQ EQARRDALQRAEQSISEPGEKEKEBELMGISPISPKRAKVPV AKISTFPEGEPGQSPCENLVTSVEPPAEVTPSRSSSISLVLT QIANPATAPAEARVLPKDLSQLLRASLEBQGLAVDVGETGSPSP</p>

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			IHSKPLTPAGHTGGPEPRPPARVETLRREAPTDLRVFELNSDSG KSTPSNNGKKGSSDISEDWEEDFDLDMTBEVQNALSKVDASG EVSQPGGSESGEPNPGPCSSPQPAQLSPQEGPCSLR
6503	213	1650	AGNKPDPWAGNRITAVLPDVSVPFRKDVGMNRSWLQQSYQAVKE KSSRALFMRDLTETPTVVQHDCTACTIAATASVVKELATEGS SGATEMRKGLSDPLGVISDTFAPSPTKTIDCVITYLNGTPSGT AEPTDGTARLYSLQSDPATYCNEDGPPPELFDANLSQPCLEEK KGEISELLVGSPIRALYTMVPAVSHSEFWHRYFYKVHQLBQ EQARDAIKQRAEQSISEPGWEEBBERKMGISPISEKRAVPV AKISTPFEGERPGQSPCWRNLVTSVPPABVTPSESSSISLVT QLANPATAPARVLPEDLSQKLEASLREQGLAVDVGETGSPFP IHSKPLTPAGHTGGPEPRPPARVETLRREAPTDLRVFELNSDSG KSTPSNNGKKGSSDISEDWEEDFDLDMTBEVQNALSKVDASG EVSQPGGSESGEPNPGPCSSPQPAQLSPQEGPCSLR
6504	2131	1294	GKVCVAHWVCLSLSPPPAGMKT PNAQRAEQQTTRAAAGRATG SANMTKKKVSQKKQGRPSQPCRNIVGCRISHGWKEGDEPITQ WKGTVLDQVPINPSLYLVKYDGDICVYGLERHDERVLSLKILS DRVASSHISDANLANTIIGKAVEHMFEGHGSKDEWRGMVLAQA PIMKANFYITYEKDFVLYMYQLDDYKEGDLRIMPESSESPPTE REPQGVVDGLIGKHVETTKEDGSKRIGMVIHQVEAKPSVTFIKP DDDFHIYVYDLVKKS
6505	2131	1294	GKVCVAHWVCLSLSPPPAGMKT PNAQRAEQQTTRAAAGRATG SANMTKKKVSQKKQGRPSQPCRNIVGCRISHGWKEGDEPITQ WKGTVLDQVPINPSLYLVKYDGDICVYGLERHDERVLSLKILS DRVASSHISDANLANTIIGKAVEHMFEGHGSKDEWRGMVLAQA PIMKANFYITYEKDFVLYMYQLDDYKEGDLRIMPESSESPPTE REPQGVVDGLIGKHVETTKEDGSKRIGMVIHQVEAKPSVTFIKP DDDFHIYVYDLVKKS
6506	1	1350	EVSPTSCCLTVAVADPGVSEGRPGFCAGCBMPGRGRCPCQGST ELVRDSHYSQSQVLVCSDCGCVVTEBVLTTTTSDEGNLRRVTSR STGENEQVRSQQRGLRRVDRCLRVQLPPTFBDTAVAYYQAY RHSGIRAAARLQKKKVLVCCCVLITCQHNHPLTNGALCTLLYAD LDVPSSTYMQIVELLLGLDVPSLCLAKLVKTYCSSPKLQOASPSV PAKYVEDERKRLSRTMQLVELANETNLVTRHFLPVIITAATFLA WQSLQPADRLSCSLARFCKLANVDLPYPASSRLQELLAVILLEMA BQLAWLRVLRDKRSVVKHIGDILQHRQSLVRSAPRDTARVET RERKPPONGQQQGEHVGNNSLGLPQGRPASFALLPFCMLKS PKRICPVVPSTVTGDNISDSRIEQYLRTPQEVDFQRAQAR QAATSVFNPP
6507	1878	929	RSHASRLPELPGCLVLQVQLVQNSGMRATVTIPINQKPEGA ARSVVRRICTNLPLKPCARASPETLPNISELCLRDVPFVPTLAD LAWIADEEBTYARVRSITRPLRHTWPSPLIVMORRASVPNLR GSEERLLALKKFPALPALSRTTLEQDELSHLRSQIAKIVAADAAS ASLTFDFLSPGSSNVSSPLPCFGSSPHSTTSFVISDIETETEV VPELPSVPLLCASPECCKEHKAACSSSEKDDCVSLSKASSFA DMHGLWDFHRMKQSQDLNRSLLKREDPAVLISEVLRKXFAKKE EDISRKGW
6508	862	342	WEARKRPQRNPSRRREVVRPPPELQRCRSGLEPCTTREMMAARP SIGRVLPSSVFLCDWQKRFRENIAYFPQIVSVAARMLENTTL DLLORGLQVHVVDACSSESQVDRVALAMRQSGAFLSTSEGL ILQLVGDAVHPQPKIQLIKEPAPDSGLGLFGQNSLLH
6509	2	1053	FVNNPGRKRKRQAATVQAATRASGTPSPEDGTMTOGLSVAN KAPGTGQQQVGEKKKAPAVPSAPPSTYREATSGEGMKAGAFPP APTAVPLHPSWAYVDPSSSSSYDNGPPTGDHFLPTTFSWDDQKV RRVFVRKVYITILLIQLLVTLAVVALFTPCDFVQVQANPGWYN ASYAVFFATYLTACCSPRRHPPNLLLTFTLSTAYLTGML

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6510	37	1156	SSYYNTTSVILCLGTTALVCLSVTVFSFQTRKDFSTCCQGVLPVL LMTLTFSGLLAILLPQYVFWLHAYTAAAGAGVFTLFLALDTQ LIMGRRHSLSPEEYIPGALNTYLDIITYITPTFLQFGDNR PCALDGCPCQCAVHPLSSANGLLAFLCTQFVLHLLVGFVTVVS GLVINFPVLCTALWVPSKQLYRRINCLAYSLSQLVMLLENW SCTECTLFTDQATVERPGEHVAIILNHNPHIDFLCQWIMCERF GVLGSSKVLAKKELLYVPLIGWNYFLETVPCKRWEDRDTVV EGLRRLSDYPTMFWLLYCEGTFTTETHRVSMVRAAGLPLVL KTHLLPRTGFTTAVKCLGTVAAVVDVTLNFRSKNPSLGLIL YKKYKADMCVRRPPLRDIPLDEKRAQWLEKLYQEKDALQEIY NQKGMFPGEQFKPARRPWTLLNLSWATILLSPLFSFVLGVFAS GSPILLITLTLGFCVGCAGNGHCR
6511	2541	1425	GEEQPLAAAPTECLEQVIGGAGDPQTWASFPSPPLGPAFLKGGK TMATNFSDIYKQGYVVKRKRRLGIYRRCLWVYKSSSKGFORLE KYPDEKSVCLRGCPKVTESNVCVTRLPKTRQAVAIIFTDD SARTFTCDSEKAEWYKTLSEVCLGSRLEDSIGRPPDLLAPGV QCEQTDRENVFLPCPNLDVYGCCKLIQITHEIYLDIHNPRVK LVSWPLCSLRKYGRTATPTFRACRMCDAGEGLYTFQTQEGBI YQVHSATLALAEKRVLEMERVRLLEKGTSHYSYPCPTPT MLPESAYWEHTGQNTAEASAYAGEGYGAQASSETDLLNRP LLEKXPBQGDSSBAKTPSQ
6512	159	807	POKKBTFWPLSRSLRVASGRSCKLGGGYTGSGPGGEPDRSCA EVPSSGSRATGCRGGVGRARQGRAPGSSINRKEPRMVCTRRTK TLVSTCVILSGMINIICLLVVGWVTNYLASVYVRGQEPAPDKKL REKNGDTLKIIEKLDHLENVTKQHTQAPAKPEAEAPPTDSS LPAHNGQELSPEGREVALKQFPQYGYNAYLSDRPLDRP FVSPGPFSLAQLNLINQITDTQLVHSFABGQDQGSAYANRTA LEPDLAQGNASRLRQVRVADRGSTCFVSIIRDFGSAVSLQV AAYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDQ GVPLTGNVTTISOMANEQGLFDVHSILRVVLGANGTYSCLVRNPV LODAHSSVTITPORSPTGAVEVQVPEDPVVALVGTATLRCSP SPEPGFSLAQLNLINQITDTQLVHSFABGQDQGSAYANRTALP PDLAQGNASRLRQVRVADRGSTCFVSIIRDFGSAVSLQVAA PYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDQGV PLTGNVTTISOMANEQGLFDVHSILRVVLGANGTYSCLVRNPVLQ QDAHSSVTITPORSPTGAVEVQVPEDPVVALVGTATLRCSPSP EPGFSLAQLNLINQITDTQLVHSFTEGR
6513	2	756	FVSPEPGFSLAQLNLINQITDTQLVHSFABGQDQGSAYANRTA LEPDLAQGNASRLRQVRVADRGSTCFVSIIRDFGSAVSLQV AAYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDQ GVPLTGNVTTISOMANEQGLFDVHSILRVVLGANGTYSCLVRNPV LODAHSSVTITPORSPTGAVEVQVPEDPVVALVGTATLRCSP SPEPGFSLAQLNLINQITDTQLVHSFABGQDQGSAYANRTALP PDLAQGNASRLRQVRVADRGSTCFVSIIRDFGSAVSLQVAA PYSKPSMTLEPNKDLRPGDVTITCSSYQGYPEAEVFWQDQGV PLTGNVTTISOMANEQGLFDVHSILRVVLGANGTYSCLVRNPVLQ QDAHSSVTITPORSPTGAVEVQVPEDPVVALVGTATLRCSPSP EPGFSLAQLNLINQITDTQLVHSFTEGR
6514	985	302	VGIFGPTISSAARMEDLDLDEHLRYSLATSRAMGRRAQQESA QAEHLEKKNSSLTLCGTSSAKLPCCQGGWAGDSVSKSPRR KASERIEDPRLRPQSLNGSDYGGDIPIIPDLREVRQEDFVLQVA APPSIQIKRVMTYRDLDNDIMKYSALQITLGEIDLKLLTKVLAP EHEVRENPSPQDDVGDNDHDLFTEVSSSVLTKMDPLQTEKEDP AGQARFT
6515	1345	305	GRVGSRRRGAAVPGGCGAGSTQLRVSSASAGALGSADNPYV VEGGGAGPISKORKERVHQGMVRAATVGYGILREGGSADVAVEG AVVALEDDPEFNAGCGSVLNTNGEVENDASIMDGKDLGAGAVEA VQCANPIKLARLVMEKTPHCPLTDQGAQFAAAMGVPEIPGER LVTERNKQRLKKEKHEKGAQKTDCCQKNGTVGAVALDCKENVAY ATSTGOIVNRMVGRVGDSPCLGAGGYADNDIGAVSTTGHEGSI KVNLARLTLPHEBQGXTVBEADLSLGYMKSRLVGLGLIVVSK TGONVAKWTSTMPAAAKDGKLFHGLDPPDPTTITDLP PRRLRYLGQDATAAARDLRTGLQGYCPSATARQQLVSAIQQL KGRSRHEHNEQMPYSTNKKLILGIMVGTAGISILLNYYHRVR KPGIAMELPEPLSGNTFNSITLQDEHDDQGTIVIFQERQLQI LEKLNELLTNMEBLKEIRFLKRAIPKLEBYIQDELGGKITVHE ISQHRARIRRLPTIQSSATSNSSBAESBGGYITZANTDTREQS

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			<p>FPVFKAFNTRVEELNLDVLLQKVDHLEMSSESGKSESPELLRDHK</p> <p>EKPRDEIEFMWRPARAYGDMYELSTWTQKKHYANIGKTLSERA</p> <p>INRAPMGGHCHLWYAVLCGYVSEFGLQKKNYGHLPKHLDTA</p> <p>IKLLPEEPFLYYLKGRYCTTVSKLSWIRKMAATLFGKIFSSSTV</p> <p>QKALHFLKAKELCPGYENFNTMYLARCTTDLERNQNALKPCNL</p> <p>ALLLFTVTTKEDKEAQKEMQKIMTSLEK</p>
6517	3	1414	<p>GRVNGGSSSLNMMVTVRGHARDYERWQGGARGMDYANCLPYPR</p> <p>KAQGHGLGASRYRGADGFLRVSGRTNHPLECAPLEATQOAGYP</p> <p>LTEDMNGPQOEGFGWMDMTIHEGKMSAACAYLHPALSRTNLEA</p> <p>EARTLVSEVLFEGTRAVGVYVINGQSHRAYASKEVILSGGAIN</p> <p>SPQLLMISGIGNADDLWKLGIPIVVCILPGVQGNLQDHLIYIQQ</p> <p>ACTRPIITLSAQKPLRKCIGLEWLWETGEGATHLSTGGFIR</p> <p>SQPGVPHPDIOPHPLPSQVIDHGRVPTQGEAYQVHVGPWGTSTV</p> <p>GWLLREANPDHPVIOPNYLSTETDIEDFLCVKLTRIFPAQE</p> <p>ALAPFRGKELQPGSHIQSDKEIDAFVRAKADSAHYPSCTCNGQ</p> <p>PEDPTAVVDPQTRVLGVENLRVVDASIMPMSVSGNLNAPTIMIA</p> <p>KEADILKGGPALMDKDVVYKPKTLATQR</p>
6518	242	1098	<p>PAWNPGEPRTRVEPEARSFPLPPRAPRRRRHLLRAVPGPSR</p> <p>HRRCRRRAPPPSTMGDAGSERSKAPSLPPRCPCGPGWSSKTMN</p> <p>LCSEKCPADPQKQKQDDDSAPSTNSQSDLPSEBTTSDNNSTIT</p> <p>TPTLSPGQQLPPLTELNVTSPSREKCGPCTDTAHVSLITPTARSC</p> <p>GTDSQSENREASPVKRPRLLENTRESEKTSRSKQKSRRCPCQQT</p> <p>KLELVQQLGSCROGVYVFCMLHLLPBOHDCPTDMMGRORREAIM</p> <p>KMVLDRKVGKSCORIGEGCS</p>
6519	3	1113	<p>ERRMAEPSPVHCVAAPATATVSEKEPPKQLQLSSRDPPGSLG</p> <p>AKKVTEERKAPRVNGEGSGGNSRQLQPPAAPSPQSYGSPAS</p> <p>NSFAPLSAAPSPPSSRSFSPSAGTAVPSSASASLSQPGPKLL</p> <p>VPPTLLHAQPHHLLPAAAAAASANAASRRPKKREKRRRHL</p> <p>GGARRAGGASRENGEVKPLPRDKIKDKTKERDKEKREKKKKH</p> <p>VMNBIKKENGVEVKILLKSGKPKTHIEDLQIKKVKKKKKKKH</p> <p>ENKRRKRPMTYSKSIQITICSGLLTDVEDQAARGILNDNIKDYVG</p> <p>KNLDTKNYDSKIPENSEFPFVSLKEPRVQNLKRLDTLEPKQLI</p> <p>HIEHQPHGGASVTHCLQ</p>
6520	3	1113	<p>ERRMAEPSPVHCVAAPATATVSEKEPPKQLQLSSRDPPGSLG</p> <p>AKKVTEERKAPRVNGEGSGGNSRQLQPPAAPSPQSYGSPAS</p> <p>NSFAPLSAAPSPPSSRSFSPSAGTAVPSSASASLSQPGPKLL</p> <p>VPPTLLHAQPHHLLPAAAAAASANAASRRPKKREKRRRHL</p> <p>GGARRAGGASRENGEVKPLPRDKIKDKTKERDKEKREKKKKH</p> <p>VMNBIKKENGVEVKILLKSGKPKTHIEDLQIKKVKKKKKKKH</p> <p>ENKRRKRPMTYSKSIQITICSGLLTDVEDQAARGILNDNIKDYVG</p> <p>KNLDTKNYDSKIPENSEFPFVSLKEPRVQNLKRLDTLEPKQLI</p> <p>HIEHQPHGGASVTHCLQ</p>
6521	184	1798	<p>KLPTMATDTSQGLVHPKALFLIVGAQLIHADKLGKVDSTNP</p> <p>IRRTVNSTRETPPKSLABGEERKPFDPISSEKSVSTVEQENE</p> <p>TPPATSSSEABOPRGEPEERKEENKSSBETKDRDQSKERKCK</p> <p>VKKTIPSWATLSASQLARAQKOTPMASPRPMDAITLAKAC</p> <p>PKSGASVVAIRKYIHKYPSLELRRBGYLLQALERRLNRGVI</p> <p>KQVRGGAGSGSPVVQKSKRTPKSKNRNRSSAVDPPEPVKLB</p> <p>DVLPLAFTALCEPKEASYSLIRKYVSQYYPKLVDIRPQLLNA</p> <p>LQRAVERGQLSQITGKGASGTFQLKSGKPLGGSSIMEYALLS</p> <p>ALAAWNEPXTCTTALCKYVLENHPGTNSNYOMHLLKTLQKCE</p> <p>KFGWNEQISGKFGSGTFQLCFPTYPSGVLFPKRRPDDSRDEDE</p> <p>DEDESSEEDSEDRPPKRLQKTPAKSPGKAASVQREGSKPA</p> <p>PKVSAAGRGARPLPKCAPKAKTPAKTRPSSTVIRKPSGGSS</p> <p>KKPATSARKK</p>
6522	1042	391	NEWLRPSFBSHRTPSGRVLSLPLPPPGMALSGSTPAPCNEED

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			<p>ECLDYVGMLSLHRMFEVVGGLTECELELLAFLLDEAPGAAGGL SRARSGLLKLLLELRERGQCESNLRLLGLQLLRVLARHDLLEHLA RKRPRVPSPRYSYGTSSSSKRTGSCRRRQSSSSANSQQGSP PTKORRSRGRPSGGARRRRRGPQPHPSSSSQSPFDLPLKAK</p>
6523	2	1097	<p>ASCQTRRTAALDSGERLAGRESPTALAMASNFDIVKQGVVKI RSRKLGIPTRCNLVFKASSRGPRRLKFPDEKAAYPNFKVKT ELHNLENIITLPRRTKHAVALIIPDETSTKFACSELEAEKNC KHLCEICLGTRLNDISLGEPLDLAGVQREQRERFNVYLMPTPN LDIYGECTWQITHEINIYLDIENAKVLMVWPLSSLRKYGRDST WPTFESGRMCDTGEGLTFPTQTEGEMIYQKVHSATLALAEQHER LMLEMEQKARLQTSITFPMTLSEISLFRSAYWHHITRQNSVGE IYSLQGNHENRHSDLTGKSCRTSENRFLERNAPLVMYGITHLFP MDTSTCKVVHDL</p>
6524	2	1097	<p>ASCQTRRTAALDSGERLAGRESPTALAMASNFDIVKQGVVKI RSRKLGIPTRCNLVFKASSRGPRRLKFPDEKAAYPNFKVKT ELHNLENIITLPRRTKHAVALIIPDETSTKFACSELEAEKNC KHLCEICLGTRLNDISLGEPLDLAGVQREQRERFNVYLMPTPN LDIYGECTWQITHEINIYLDIENAKVLMVWPLSSLRKYGRDST WPTFESGRMCDTGEGLTFPTQTEGEMIYQKVHSATLALAEQHER LMLEMEQKARLQTSITFPMTLSEISLFRSAYWHHITRQNSVGE IYSLQGNHENRHSDLTGKSCRTSENRFLERNAPLVMYGITHLFP MDTSTCKVVHDL</p>
6525	1	1859	<p>GESPFSEBESIEFNPSSSGRSARTVSSNSFCSDDTGWPSSQSVS PVKTPSDAGNSPIGFCPSGDEGPTKKCTIGMVGEQS IQSSRYK KESKSGLVKPGSEADPSSSSSTGSIAPFVHMSTAGSRSSSR NRGPHGRSNGASSHKPGSSPSSPREKDLLSMLCRNQLSPVNIHP SYAPSSPSSNSGSGSYGSDCSPIMRRSGRYMCGENHGVPPNP BOYLTPLOQKEVTVRHLKTKLKBSEHRLHRESEIVELESQAR MRDWHIEECHRVEAQLALKEARKEIKQLQVETMRSSLADKD KQIQKVFVDLNIQNKLESLIQSMEMHSGSLRDELCLDPPCDS FEKSLITNPPLDTMADGLSLEQVTGBCADRELLVGDSTIANST LFDIIVTATTTSGDLVHSTPGANVLELLPIVMGQREGSVVV ERAVQTDVVPYSALSELIQSVLQKLQDPCPSSLASPOESEPDS MESPFESLSALVVDLTPNPNSAILLSPVETPTANVDAVHANR LMRELDPAACVEERLDGVIPLARGGVVRQYWSSSFLVDLLAVAA PVVPTVLNAPSTQGGTDPVYNTGALLRGCCVVALHSLRETAFR IKT</p>
6526	2	2034	<p>SGRAGEPEBWRGRQIIDSKETWIPFNSEDSQLEAYSSGKGCN GRVPTDGGRYDVHLGERMRYAVYWDLASEVRRCTWFKGDED NKYVPYSRSPQVLERTYMLAVTLDEWKKLESNNRIIILHNP KLAVHYQPVAGSDDWGSTPMEQGRPTVKRGVENISVDIHCGEP LQIDELVFWHGIGPACDLRFRBIQCVNDFRSVSLNLQTHFK RAQENQQIGRVEFLVNNWESPLASTGVVDLQRIITLPSINRLRE FTNDTILDVFFYNBPTTCQITVDIVASEMNIITLFLQNPDPK GGVSLAGHSLGSLILFDILTNQDLSGIDISBRGSLNIVMDQGD TPTLEEDLKKLQLEKFDIIPKERVDAKALALCTDRDLQBIGIP LGPKEKILNYFSTRKNSMGIKRPAPQASGANIPKSEFCSSSN TRNGDYLDVGIGQVSVKYPRLIYKPEIPFAFGSPIGMFLTVRGL KRIDPNYRPTCKGFNTIYHPDPVAYRIEPMVVGVEFBPMIL PHHGRKRMHLELREGLTRMSMDLKNLLGSLRMAWKSPTRAPY PALQASBPETREARPESTSEKPSDVNTBETSVAVKEEVLPIV GMLNGGQRIDYVLQEKPIESFNEYLPALQSHLCYWESEDTVLLV LKEIYQTQGIPLDQPLQ</p>
6527	1	922	<p>GNVPLLSRLPSDACKIYKQGINIRLDPTTLIDPTDMKQQRGDL FTPNGDAAPSESFVVLQNBQKVQRHHESEMEBTEKEVDILMS SDIYSATLSKSI SFTRAQTGWLFREDKTERVGNFLADPYLVNG</p>

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			LVLBERKRRRLSRRDILRNKAIMESLSKGGNIMEQNFPIRRQ SLTPPPQNTITWBYISAENGKAPHLGRELVCKESKKTFKATIA MSQBPPLGIXILLNVLEVVAPFRRHFNGLREFVQMKLPFGFPVKL DIPVPTTITATVTPQEPHYDSFDGSIPTIPDDYKEDPSRFPDL
6528	1	1073	LTGPAAAEPRCAADAGNERALGRREGVNLRLXILFCVLGLYIA IPFLIKLCPCIQAKLIFLNFVRVYFIDLKKPQDQGLNHTCNYY LQPEEDVTIGVNHVFAVNWKEAQCKDQHWYEDALASSHPILY LEGNASTRGDHRELKVLSSLGTHVVTEDYRGNGDSVGTPE RGMTYDALHVPDWIKARSGDNVYIWHGSLGTGVAINLVRLLC RETPFDALILESPTNIREERAKSHPPSVTYRYFPFGDWFLLDPI TSSGKPFANDENVKHISCPILLHAEDDPVVPOLGRKLYSIAA PARSPRDFKQVFPFHSDLGYRHYIYKSPELPRILREPLGKSE PEHQH
6529	363	2215	THIRYKICGVVKTMSQGNFVETLKRIGYPAKADNLNGEDFDWLF EGVDEDSFLKMFQGNVNEQNVLSERKLEAFSILQKSGKPILEGA ALDEALKICKTSDLRTPRLDDKLEKLEDESVQTLKLENLKIQ RNRQQLMASVTSHKSLRLNAKEERATKKLKCSQGIINAMITKIS NELQALTDEVTLQMMFRRHSHLGGTINPLVFLSQFSLEKYLQSE EQSTAALTLYTKQFPQGIHEVVESSESOPFPLKIQTPTSIDC NQEILEERLEMARLQLAYICAHQLIHLKASNSMKSSIKWAE BSLSLSLTKRAVDKENLDAKISSLTSEDMLEKEBVTQIKDRSLPA VVRENAQLLAMPVVGDFDLQIARQDYTFARQHLVLNQLIEQKA SFELLQLSYBIELRKRDITRQLENVQELSQSNMMLYKQLEML TDPVSVSQINFRNTIDTKDYSTRLYQVLEGENKKKELFLTHGN LEZVAEKLMQISLVQQLAVSAQEHSPFLSKENKDVDMLCDTL YQGGNQLLSDOELTQFHKVESQINLKLHLLTDILADVTKRK TLANNKLHOMEREPYVYFLDEDEDYLRDIVNLETSQSKIKAVSLZ D
6530	128	2986	GAAHGAIVQVHPILLPGSSITIMHDLCLVFPAPAKAVVVSQIQ RLYIRVVDKVBIGKTIVZAVRVLDLHKPFLAKYPPFMOLKLRA ASPIITLVALDRLDNYTITFLIRGVAIGQTSLTASVTNKAGQR INSAPOQIEVFPFRLMFRVTLIGATWQVTEGGPQPOSNTIL PSISNESVALVSAAGLVQGLAIGKTVSGLVQAVDAETGRVVI SQDLVQVEVLLRAVRIRAPIMRMRTGTQMPITYVTGINTHONPP SPGNVAPGLTEHWSVTRDVLDRGRHHEASIELPSQYNFAMSV LGRVKRTGLRAVVKAVDPTSGQLYGLARELSDEIQVQVFEKLQ LLNPRIEAEQILMSPNYSYIKLQTNRDGAASLSYRVLDGPKVPV VHVDREKFLASGEMIGTSTIEVIAQEPFGANQTIIVAVRVSPTS YLRVMSFVLHTQNKALVAVPLGNTVPTVHFHDNSGDVPHAE SSVLNFAINRDDFVQIGRGPINNTCVVTVSVGLTLLRVWDKAE PGLSDFMPLPVLOAISPELSCAMVVDVLCATVLTSLBGLSGT NSSSANSILHIDPKTGAVARAVGSSVTYTYVAGHLRTYKEVVV SVQRIAMRHLHPIQTSFQRATASKVIVAVGDRSSNLRGECTPT QREVIQALHPETLISQSQFPAVDFPSPQDVETVEPQFDALG QYFCSIIMHRLTDKQKHLKMKKTALVVSASLSSSHFSTEQVCA KVPSPGLFADQARILLNHYTSSRIIVFGAPEVLENLVKSQS PAVLAFKESKSGWPSPTTYTVGVLDPAAGSQGPLSTTLTPSSP VTNQAJAIPVTVAFPVDRRGPGPYGASLPQHFLDSYQVMFFTLF ALLAGTAVMI IAYHTVCTPRDLAVPAALTFRASPGHSPHYFAAS SPTSENALPPARKASPPSGLMSPAYASH
6531	845	1425	PSASIPPSASPDVPDITRCHFLVEDPSVGCISGSEKCTISSS SLCMVITIYDVVVRZIVRGCGQYISYRCQKRNITYFARYWQA QCCQYDYCNSSSPQLQSSLEPEHDPRLALPLSDSQIQNIFYQAL NLSLPLPNFHAGTEPDGLDMVTLISNLGLSPAELRMYLPLNS SGLLVLPQAGLLTPHPS
6532	2	954	AAGPPSEVVNQSLFPEPEFGAPQVLLGPGGGLTKGVAPPTL

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			ITDSTGTHLVLTVTNKAHSPGLSRGSPQQPSSQPGSPAPAPSA QMDLHFLQPLPGTPTSLKKRPPGYERAMSQPQOENGSSSQ QMDLFDILIQSGEISADFKKPSLPGKKPSKIVCWSPLAHQ PSPSARLPQAAPPFGSPSLPGRLRDFLESSTGLPILTSQHDGP EPLSLIDDLHSQMLSSTAILDHPSPMDTSELEHFVPEPSTHGL DLADGHLDSMDWLELSCGPFVLSLAPLSTTAPSLPSTDFLDGHD LQLHWDSC
6533	1798	373	STISMLARVEPPRRSSGVGAARLEPPGSRPLERARCVLALAVL ALLERNADSMSAHSMICERIAIAKELIKRARSLSRSRKGIEG GAKLCSEKAKRLKFLQKVRAGKVAIKESHQSTNLTHLRAIVES AENLEVVSVLHVFGYDTLGEKOTLVVDVWANGQHTWKAIGR KARALHNIWLGRCQYGDKSIEQARDFLQASHQQPVQYSNPHTI FAFYNSVSSPMAEKLKEMGISEVRGDIVAVNALDHPERLQPSSES ESDDEGPELLQVTRVDRENILASVAFPTBIKVDVCKRVNLDITT LITYVSALSYYGCHPIPKKVLVBQAEQERKEQVLPQLEAFMKD KELEFACESAVKDPQSILDTLGGPGRERATVLIRINVVDPQPS ERALRLVASSKINSRSLTIFGTGDTLKAITMTANSQFVRAANNO GVKPSVFIHQPRALTESKEALATPLPKDYTTDSBH
6534	47	596	KATRFYSAAPVVLNKGQVSFARLPHTSWSWSLQTLSPFSGDLA EKSLQCFPCSAMLLELTLPLGTHFVLTARAQSVTPQDITITVS EGASLELRONYSYGATPYLPMERTVEBAPTLLVCLKFWRVASS LKKKKKEDSPQLLLGSRYNVLKACLLPLIRWLTSGDSLLSAQ PHCPQGL
6535	250	964	LKTFPFDVAIQRDLLPKKKNLETLTLAPLEIDKAFSSHARLS ADATLLTSGTTATVALLRDGIELVVASVGDRAILCREGPKML TIDHTPERKDEKERYKKCGFVAHNSLGQPHVNGRLAMTRSIGD LDLKTSGLAEPETKRIKLHRAADSFLVLTDDGINFMVNSQEIW DFNQCHDPNEAAHVAITEQAIQYGTEDNSTAVVVPFANGKYKN SEINQSFSSRASSGRNA
6536	242	1174	SLVKEMTNQYGLLFKQEQARDDAIWSVAMGINKKENSETVVTGS LDDLVRVWKRDRERLDLQWSLEGHQLGVVSDLSHTLPIAASSS LDAHTRLWDLNGKQIKSIDAGPVDAMTLAPSPSQYLATGTHV GKVNIPGVESGKKEYSLDTRGKFIISIATSPDGKYLASGAIDGI INIFDIATGKLLHLEGHAMPILSLTSPDSQLLVASDDOYIE IYDVQHANLAGTILSGHASWVLEWAPCPDDTHPVSSSDKSVRVV DVGTRTCVHTFPDHDQVVGKYNNGSKIVSVGDDQBIHTYDC PI
6537	1638	921	NRFNPPPTQGPDPSPLYRPDVPDEVAKDKASFRNYTSGPLLDRV FTTYKLMEHTQTVDFVRSKHAQPGGFSYKIMTVMEAVDILLGLV DRSDDPDVDFNSFHAFTQAEGRKAPDKDWFHLVGLLHDLGKV LALFGKPPQWAVVGDTPPVGCRPQASVVFCDSTFQDNFDLQDPY STELGMYQPECGLDRLVMSNGHDGARGGQWGGGGRNGTVGGGG AEAVPAGDTLSPOSTCTR
6538	3345	2412	PPLYDFLDALYTCQTAPKEAFIKLQGLAGMLTEQLRLTKQVQB ARHNRDDEAIKKAVNEYDETMEKYIPVLMQAQKIYNNLENYPMV EKIPIKRSVBFCDHEDVHKLVAVHVLPMQENKYKRAIGFYETIVK KHYDNI LNVSAIVLANLCVSYIMTSQNEKAEKLMRKIEKKEBQL SYDDPNREMYHLICIVNLVIGTLYCARGNYEGLSERVIESLEPIN KKLGTDTWYYAKRCFLSLENMSKEMIVIHDSVIOQSCVQFLGHC ELYGTNIPAVIEQPLESERMHVGNVTDESRLKALITYEIIIGH NK
6539	218	339	FLGAASPHPHFSSLAPHPDQPRETPVQDELKAMELNGPCV
6540	3	391	LKRLMLLLLRPPEDAMARCTLGEAVTDEPDRIMANEKPVYLD E KQHAWLPLTIEIKDRILQRLVLLREDDVILGRPMPTPTQIGPSLLP IMWQLYPDGRYRSSDSSFWRLVYHIKIDGVEDMLLELLPDD

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6541	1165	536	RTLVQRRIIMLLRKPARGRDLEGGRGTPEGGRKGLLPTDORFP RFGGRKPDSDWGNREPGGGRHPRDTFRPDHPPHDGHS PASRE RSSSIQMDMASLPPRRKPWHDGPGTSEHREMEAPGGPSEDGCG KRGCGGPAQRVPKSGRSSSLDGEHHDGTHREDFPGGPPGSGTP SRGGRSGSNWGRGSMNSGPPRGASRGCGGR
6542	3	3775	SWPRGRGETGGHFGALRTRTMQESVRYNREGHALYLAFIARKEGT KRGFLSKKTAEASRWHEKWFALYQVLPFTEGEGSCRPAGMYLL EGCSCKRTTAPPFRAGAGQGGVVDALDQYIYFTVLFGHEGQKPLE LRCEEGDGEKMEAIHQASYADILIEEVLQKQYIHLVQIVET EKIAANQLRHLQDQDTEIERLKSRIIALNKTKERMRYQSNQE DEDPPDIKKIKKVSFMGRWLCRRKWTIVQDYICSPHAESMRKR NQIVFTMVEAESYVQQLYLVNGPLRPLMAASSKIPFISHDD VSSIPLINSETIMPLHEIPHQGLKARIANWPTLILADLPDILLPM LNIYQEFVRNHQYSIQVLNCKQNRDFFKLLKQYEANPACEGRH LETFLTYPMFQIPRYIITLHELLANTPREHVERKSLKPAKSLKLE ELSRVMDVEVSDTEIRKNTAIERNIVEGCDIILDTSQTPIRQC SLIQVPSVERGKLSKVRIGLSLSLKRRRCQFLFTKHFLICTRS SGGKLHLLKTGGVLSLIDCTLIEEPDASDDSKSGSQVPGHLD KIVVRPDRAAFTVLLAPSRQEKANWSDISQCVDNTRCNGLM TIVFERNSKVTVPENIKSDARLHEDDTIDCPSKTANSCKVPQIR YASVERILLRLTDLRFSLIDFLMTFLHTYRIPTAAVVLKSLD TYKRPFSTIPVRSLELPATSCQNRGEHLVDGKSPRLCRKPFSSP PPLAVSRSTSSPVARKLSLTSPLNSKIGALDLTSSPTTTTQS PAASPPFHTGOIPLDLRGLSSPEQSPGTVEENVNDNPRVDLCNK LKRSIQKAVLESAPADRAGVSSPAADTTLSPCRSPTPRHLR YRQPGGTADNAHCSVSPASAFATATAAGHGSPPGFNNTRTC DKRFIIRRTATNRVLNVRHNVSKHAQDFELNNELKMTVLNLE KVLRDPLLQERKAAANTIIMALSQDDQDDIHLKLEDI IQMTDC MKACCPESLSAMKLABQITLLDHVIFRSIPYEFILQGGWMLDK NERTPYIMKTSQHFNDMSNLVASQIMFYADVSSRAKAEKVVAV ADICRCLHNYGVLEITSALANRSATYRLKKTAKVSKQTKALMD KLQRTVSSEGRFKNLRBTLRNCPFAVPVYILGMYLTDLAFIEBGT PNFTREGLVNFSEKMMNISHIIRKIRQPQOTSRYRIDHQPVAQYL LDKDLIIDEOTLYELSLKIEPFLPA
6543	1857	950	FVSGGGRAGIGLSMAAAARVSRWYFPGGLASCGAACCTHPLDL LKVHLQTOQBEVKLRMTGMALRVVRTDSILALYSGLSASLCRQMT YSLTRFAIYETVRDRVARQSQGLPFHEKVLGVSGLAGGPVG TPADLVNVRMNDVKLPQGORRNYAHALDGLYRVAREBGLRRLP SGATMASSRGALVTVGQLSCYDQARQLVLSGTGLSDNIFTHPVA SFIAGGCATFLCQPLDVLKTRLMNSGEYQGVFCAVETAKLGP LAFYKGLVPAGIRLIPHTVLTVPVLEQLRKNPGIKVPS
6544	630	79	PSPCFIRSLDGPWAGLEAMLSQNFELHQPQSRVRRASIS EPSDTPPEPRTLNPSAGWVQQHPELELMSSFRERFGKWLQY RSHLEPSGNPLPATPTTSAPSAPPASSQGPDTAPRPSPPQREAR GPQES PQMSEFVRARPOREERKEGKEKEEGEMAPLPBAHLG EGKQKECP
6545	176	560	PPHSHAALLPAAMTPLLTLVLVIMLPLAQAALDCHVCAINGDN CFNPMRCAMVAYCMTRTYTPTRMKVS KSCVPRCPETVYDGY SKHASTTSCQYDLNCTGLATPATLALAPILLATLNGLL
6546	1657	364	HLNGLDEVAFFVADLGATVRKHPCFLECLPRVRPFYAVKCN SPGVKVLVAQLGLGFSKANKAMBLVQHIGIPASKIICANPCRQ IAQIKYAAKHGIIQLSFDNEMELAKVVKSHPSAKMVLCIATDDS HSLSCLSLKGVSLSKSRHLLKNAKHVVKVGVSPHIGSGCPD POAYAQSIADARLVFNGTLEHGRHVLDDGGFPFGTEGAKVRP KEIASVINSLDLVFPBGCGVDIFAKLGRYVTSAPTVAVSIIA KKEVLLDQPGREENGSTSKTIVYHLDGCVYGI FNSVLPDNICP

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			TPILQKRPSTEQPLYSSELNGPAVDGDCVAREGLNLPQLHVGDWLVFDNMGAYTVMGSPFWGTQACHITYAMSRVAMEALRRQLMAAEQEDDVEGVCKPLSCGWEITDTLCVGFVFTPASIN
6547	1	541	LRSKYLAPALCSQPGMRECCRRCCCRQPPHALRFLILLPLVLPLPAAAAAGPNRCDTITQGFACILRLGDSMERGGELTICRSWNDFHACAGVLSGCPERAATAVVESTLOBARQAPRFNNLHTLGA PVHVRERGTSBTRQSTLRATAPALPMAPAPFLAALALAYLLRFLA
6548	2	219	PVSRLSVRDVRFTPLGSGGADAMHTDPDYSAAYVPIETDAEDG IKGCGITFTLGKGTVEGELKILSRPQNA
6549	73	1490	RTGRVCDARPAQGSERRRRREARPGITPSPSSSSPTSSRPAARAPSKAPARLSRPRAREPDPGRRYIQEIIQARKHKLIKMCSSVAAKLWFLTDRIREDYPOKEILRALKAKCCERLOFRAVVMDEVVLTIHQNLGLRINGELITAYPOVVVVVPTFWQSDSDITVLRHLEKMGCRIMNPQAILNCVKNKFWTPQRLAGHGVPLDPTFEGGHNFAKMIIDBAEVLFTPMVVTREGRGKAVFLARDKHHLADLSHLIRHEAPYLFQKYVKESEGRDVRVIVVGGVVGTMLRCST DGRMQSNCSLGGVGMCSLSBQGLQAIQVSNILGMDVCGIDLLMDDGSPCVCRANAVGPIAFDEACHLDVAGIADYAAASLLFSGRLTERMSLLSVVSTASTSEPELOFPASTAVDNMSASSSSVSDSDPESTERRELLTKLPQGLPMNQILLANEIKLLVD
6550	2293	922	FRVSRDGAAPDCGIEQMGLEMERGGSYARAGGSSRECNYYLRYPFLFVSLIQFLIILGLVLFMVYGNVHVSTESNLQATERRABGLYSQILGLTASQSNLTCKINFTTRAKDAIMQWLNARLDLRINASFRCQCGDRVITYNNQRYMAAIIISERQCRDQFKDMNKS CDALLFMLNOKVKTLVEIAKERTICTDEKESVILNKVABEQIVECVKTRELQHOERQLAKEQLQKVQALCLPLDIDKPFMDLRNLWRDSIIPRSIDNLYNLYHPLGSELASIRACDHMPISMSKVEELARSLRADIERVARENSDLQOKLEAQGLRASQEAQKQVKEKRAQARRALQAECSROTQALAEKAVLRKERDNLAKLEKKREABQLRMELAIRNSALDTCTIKTSQPMMPVSRPMGVVPPNPQPIDPASLEEFKRIKLESQPPAGIPVAPSSG
6551	157	748	IQPPDPFRNMTLAAYKRNKRLPLVSLPCSCFLADPLNKSSYKYRADTVDLNWCVISDMEVIELNCTSGQSFEVILEKPPSPDGVPFPAASLPRRRDPSLEETQKLEAAERKRYQAEILLKHLAEKREHERSVIQKAIKENNFIKMAKELAQRMESNKENRRAHLAAMLERLQEKDKHAEVRENKELKEKASR
6552	157	748	IQPPDPFRNMTLAAYKRNKRLPLVSLPCSCFLADPLNKSSYKYRADTVDLNWCVISDMEVIELNCTSGQSFEVILEKPPSPDGVPFPAASLPRRRDPSLEETQKLEAAERKRYQAEILLKHLAEKREHERSVIQKAIKENNFIKMAKELAQRMESNKENRRAHLAAMLERLQEKDKHAEVRENKELKEKASR
6553	2	1807	PWSEMAHLISYGRVNLNVLREAVRRRLREFLOKCAKSAIVND EYLTGPPGLIAQYSLLKEHEVERKMFTEGNRLPAADVKNIIFFVRPRLELMDIIAENVLSDDRGPTRDPHILFVPRSLLCBQRLKD LGVLGSPFHREBYSLOLIPFDGDLISMESEGAPEKCYLEGDQTS LYHAAKGLMTLQALYGTTPQIPGKGECAQVANMIRMKREFTCSQNSIPFVFDNLLLDENVLLTPLATQLTYEGLIDEITYGIONSVKLPPEKFAPKKQSGGKDLFTEAKKLQNSAEELYAKIRDKNFNAVGSVLSKAKIISAAPFERHNKTVGETIKQFVSQLPBQAA RGLSANHTSIARLIKDVTTSEDFFDKLTVEQEFMSGIDTDKVN YIEDCIAQKHSLEKVLRLVCLQSVCSNGLKQKVLDDYKREILQTYGEHILTLENLEKAGLLKPTGGRNNYPTIRKTLRLWMDVNE QNPDTISYVYSGYAPLSVRLAQLSRPGWRSIBEVLRLPGPHFERQPLPTGLQKKRQPGENRVTLIFFLGGVTFKIAALRFLSQL EDGGTEYVIATTKLMNGTSWIRALMEKPF

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6554	119	1244	PEMGSQVSVEGALHVIVVGGGFGGIAAASQLQALEVFPFLVDM KDSFHNVAALRASVETGFPAKTFILSYSVTFKDNFRQGLVVGID LKNQWVLQGGRALPFSHLILATGSTGPPGK/NEVSSQQAIIQ AYEDMVRQVQSRFIVVGGGSAGVMAARIKTYPEKEVTILH SQVALADKHLPSVQGVKEILLREGVQLLSERVNLEELPLN HYERYIKVQTDAGTEVATNLVILCTGIKINSSAYRKAPEBSRLAS SGALRVNEHLQVGHSHVYATGDCADVETPEMAYLAGLHANTAV ANIVNSVQRPLQAYEPGALTPLLSMGRNDGVCQISGPTVGRIM VRLTKSRDLFVSTSWETMRQSPF
6555	1552	498	IHMALLRKINQVLLFLLIVTLCVILYKRVHKGTVFENDADDESE TPEELREBI PVVICAAGRMGATMAAINSITNSNDANILPYVVG LNTLTIRIKWIEHSLREINFKIVEPNMGLKGKIRPDSSRPE LLQPLNFVRPYLPILLHQHSEKVIYLLDDVIVQGDILQYDITLA LGHAAAPEDDCDLPQAQDINRLVQLQNTYMGYLDYRKAIDLG ISPSTCSFNPQVIVANMTWEKHQRIITQLEKWMQNVKENLYSS SILGGGVATSPMLIVFBGKYSTINPLWHIRHLGNWPDARTSEHFL QRAKLLHNGRHKPMDPPSVHNDLWESNFPDPAGIFELNHS
6556	241	1449	ASLCRGCFFVTRVLVYILPSLQSPYTFGLLDIDGVLVRGHRVI PAALKAPRELVSQCQLRVVPVVTNAGNIIHQHKAQKLSALLG CEVDADQVILSBSPMKLPSEHYHEERMLVSGQGPVMEQAQGLGR NVVTVDLRNAPPLQMDVLEERRLTITPLRNDFFRIEGLVLLG BEPVRWETSILQINDVILSNGSPGAGLATPPYPLEVLASNDLL WNAEARMPPRFGHGTLLCLETIYQEVTKELRYEGLMCKPSILT YQYAEGLIRQAERRGWAAPIRKLYAVGDNPMSDVYGANLFHQY LQKATHDGAPELGAGGTROQQPSASQSCISILVCTGVYNRNPQ STRPVLGCGEPFPHGRDLCPSPGLMEASHVVNDVNEAVQLVPR KEGWALE
6557	2598	1534	RMCGRTSCHLPRDVLTRACAYQDRRGQRLPEWRDPDKYCFSYN KSPQSNPVLLSRLHFERDADSSERI LAPMRNGLVPSWFKESDP SRLQFTTINCSDTVMKESFKVPLGKGRRCVVLADGFYEMQRC QGTRQRPYFIYFPQIKTEKSGSIGAADSPEMEEKVNDWRLIT MAGIFDCNEPPEGGDVLVSYTITVDSCEGLSDIHRMPAILDC BRAVSKMLDPGEVSTQKALKLIHPTENITPRAVSSVMNSHNNT PECLAPVDLVVKKELRASGSSQRMQLWLATKSPKKRDSKTPQKE RSDVPQWSSQPLQKSPLEPKRGTAGLLBQWLKREKKEHPVAKRP YSQ
6558	21	1138	PEGRRRGGRKMLGSCLEGGHRAAREBGEPEVKIRLLCVRFAS VASCDAAVAQCFLAENDWEMERALNSYFEPVRESALERRPETI SEPTTYVDLINEETDSTTSKISPSEDTQENGSMPLITWNID GLDLANLSERARGVCSYLALYSPIVILQEVIPFYYSYLKERSS NYEIIITGHEEGYPTAIDMKRSRVKLKSOBIIPFPSTEMRNLLC VHVNVSGNELCLMTSHLESTEGHAAERNQLRMVLKEMQAPBS ATVIFAGDTNLRDRKVTICGLPNNIVDVNEFLGKPKHCQYTWD TQMNENLGI TAACKLRFDRIFFRAAAHEGHIIPRSLDILGLEKL DGRFPSPDHNGLLCNLDIIL
6559	3	364	GPFLSGLPTRPKLKAQTPLANDCCASRSCSVPTGPAITICSS DKSCRCGVCLPSTCPHTVWLLBPTCCDNCPPCHI PQCPVPTCF LLNSCQPTPGLETLNLITPTOPCEPCLPRGC
6560	3	1435	TATSGGIWLRKMRCHWPRLPQSCVGTBGGQLVRODTSSRIARG GVDHTRMSLHESAGGHERSRDRRSSDSRDSHERTESQITPC IRNVTSPTRQHHVEREKDHSRRPSPRPQKASPNGIS SAGNS SENSSQSSSDGSKTAGEMVFFVYNAKEGARNIRTSERVTLIVD HTRFVVDPSIFTAQPNMLGRMFGSGREHNFTRNKRGYEVAB GIGSTVFRAILDYYKTGIIRCPDGISIPELREACDYLCISFYS TIKRDLGALMHLNSDGAARRQPEFYLEBNILPLMVASASGGR ECHIVLTLDDVVDWDBEYPPQMGBEYSQIIYSTKLYRPFKYIE

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			NRDVAKSVLKERGLKIRLOIBGYPTYKEKVKRPGGRPEVIYN YVQRPFLRMSWEKEEGKSRHVDFQCVEKSIITNLAAAAADIPQD QLVVMHPTPQVDKLDLILPHPPSGSDLDPAQNPML
6561	3	1086	PGRRFRKRESSSRWFPADCLLGLRGPASSLISPEFSPSWPSHS PCTMAALTDLSPMYNFKNCNLVGNLSKRYVFTGCDGFGNLL AKQLVDEGMQVLAACFTEBGSQKLQDTSYRLQTTLLDVTKSES IKAAAGVREDKVGEGDLAWLVENAGVGLPSGPNBWLTRDDPVKV INVNLVGLIEVTLHMLPMVKRARGRVNMSSSGGHVAVIGGGYC VSKPGVEAFSDSIRRLTYFGVKVCIIEPGNYRTAILGKKNLES EMRKLWERLPQETROSYGEDYFRIYTDKLNIMQVAKPRVRDVI NSMEHAIVSRSPIRYNPGLDKLLYIPLAKLPTPTDFILSRY LFRPADSV
6562	1	1562	MSTLYDIRAHKAQILLRFPASSDENKALBQRTLHTPKLEHLDRV LYENWFLGRSEGVFVSGPMLIEKARDFYEQMQLTBPVFSGGWL WRPKARHGIKLDASSEKQSAHQAAEQFCAPFRSLAAEHGLSA EQVYNADETGLFRCILNPPTPEGAVPGPKQKDRLLTVMCANA TGSRLKPLAIGKCSGPAPFGIQLHLPVATKAQGNANVOKEIFS DWFHIFVPVSREHPTIIGLPEDSKAVILLDSRAHDPQEARLVS SNVFTIPLPASVASLVQPMQGIIRDFMENPIMPVPLQGGPHAR YEMNDALFSVACANNAVPSHVFRARWKLWPSVAFAGSSSEEE LEAECFPVKPHKSFALILELVEKGSSCPCQLRQQAASNGVAG REABGCRPPAATSPABVWNSBETPRADQDGRDPEGEFEVAVE QAAVAFDAVLRFARQPCPSAQEVGQLRALRAVFRSQQVRRRR GALGAVVKVEALQEGPGGCGATAQSPLPCSSTAGDN
6563	1319	2694	IARPAQFVLLRFPAGPFPVPAGHLVHHLQGGHLRERAHPDLEA HEHPLPCDQMPWRQMGHLMVVEANSRGVWVGIGYDHTANVYTG GYGGCGPQGLASSTSNITYQSDVKCVHIYENQRWNPVTGYTSRG LPTDRYMSDASGLQECTKACTEPPSLQWAVWSDFVDFPSVGG TDQEGNQVADFPASYHGSKIMEDFVRRCWARKCKLVTSGEWL EVPPIALRDVSIIPSPGABGSGHSIALMAVSDKQDVLCLRGVS ELNPAGSSHLVGTDPFASISIGACYQWAVARDGSAFTGCSV YPSQAGDCWYHIPSPPRQLKQVSAGQTSVIALDENGNLWYRQ GITPSYQCGSSNEHVSNNVCRVSVGLDQVWVTANKVQSSHSL BGTVCHRTGVQPEHFGHGWYIGGGNDHISVRANATRAPRSS SQBQEPSAPPEAGPVC
6564	1	975	APGSCALMSYCGRMSRAMRCQQLLOLRSSWPGDLLSARLLSQE KRAASTHFGPETVSEEREGKVYQVFESVAKKYDVMNDMSLGI HRVWKDILLWMDHPLPQTQLLAVAGGTGDIAPRFLNYVQSQHQR EQKRLRAQONLSWEIAKEYQNEBDSLGSSRVVVCIDIKEMLK VGRKALAQGYRAGLAWVLGDAEKLPFDDDKFDITYTIAPGIRNV TRIDQALQEAHRLKPGGRFLCLSPSQVNNPLISRLYDLYSFQV IPVLGEVIAGDNKSTQYLVESIRRFPSQERPKOMIEDAGPHEKVT YESLTSGLVAIHSGPKL
6565	1464	999	RSVANGELTKRRMGLKANGRYTSLILAVQIAYLVQAVRAAGKCD AVFPGFSDCLLRIGDSMANYPQGLDDKTNIKTVCTYNEDPESCT VTALTDCEGARDMDKLRKESKNLNTQSSLFELCGSGNGAAGS LLPAPFVLLVLSAALATWLSF
6566	3	1385	KYESAQPGGTQPEPGIGARMAIHKALVMCLGLPLFLPGMAQGG HVPFGCSQGLNPLNYNLCDRSGANGIVLEAVAGAGIVTTFVLT ILVAGLPFVQDTKRSLIGTQVFFLLGLTGLFCLVFAVCEKPDF STCASRRFLFGVLFACISCLAAHVFAINFLAKENHGPRGVVIF TVALLLTVEVLIINTEWLIITLVRSSEGGGPGNSAGNAVAS CAIANMDFVMAIYVMLLLGAPLGAWPALCGRYKRWKRGVVF LLTATSVAINVVMIVMYTYGNKQHSPTNDDPTLALALANAN APVLFYVIVPVSQVTKSSDEQSYQGDYPTKGVGYETILKEQKQ QSMFVENKAPSMDEPVAARPVSPYSGYNGQLLTSVYQPTMAL

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			MHKVPSEGA YDI ILPRATANSQVMGSANSTLRABENYSAQSHQA ATPPKDGKNSQVFRNPYVND
6567	125	863	TERSNLEAYACS IHHIRTMSTYVFNDSSTNVPLIQACIDGDFN YSKLLLESQFDPNIRDSRGRTGLHLAAAGNVDIQILLHKFGAD LIATDYQGFTALHLCGRVDTIQFLVENGKIKIDICNEQGATPLVL AKRRGVNKDVIRLLSLSEGEVKGFNRGTHSKLTMQTAESESA MESHSLINPNLQQEGVLSSPRTTWQEFVEDLGPWRVILLIPVI ALLSLGIATYVSGVLFPVENQPLVH
6568	3	1183	NASDRLLVLPDMYSHFSOASANLQGFSTRIRLFHPTLASISSPM LEGARLYPNVDHGYLEGLVRGCKASILLTQDYINLVQCELTLEDL KIHLLQTTDYGNTLHMTNPLTVSKIDTEMKRLCOEPEYFRNHS LRPLSTPLTYMTCSTMDNVILLMNGALQKKS VKKILGKCHPLG RPTMEAVNIABTTSDLFPAIILITPLAPFPQDCMSERALDELN IELLNKLYKSYLRAFYKPCRNHEDVTAEVMCPILFEADRRAF ITILNSFGTSLSKRDRETLPTFGELYPEGRLLAQAEFDOMK NVADHYGVTKPLFRAVGSGGGKILSDVYEREVQMWLAFWRQP HYGVYTAIVKLKEQKIRNIVWIAKCSORHRTKINSYILIL
6569	205	1532	RREGVQRLNGRPTPLCNRRTAGPSHNEKQARAFQGLRPVDPFR RMSWLPPLTKSASSAAGSPGGLTSLQQEQRLIESLNSHSSI ARIQKDVETRLPPTINNLTINDELPLPQFPQKPVISVYPPIR BHLMDKQGVYVTSPLVNNFTMSDLGKIIQSLLDEFWENPVLA PTSTAPPYLYSNPSCMSPYASQGFPLPPYPPQANRSITSLV ADTVSSSTTSHTAKPAAPSPGVLSNLPLPIPTVDASIPTSQNG FGYKMPDVPDAFPLSELSSVSLTDMNEQEELVLEQLTLPLQK QIITDKDDLVSIEELARKNLLRPSLEAKRQTVLDKYELLTQM KSTFRKIMQRHLESCSASALQARLKVAAREZERSDNIAED FLEGRMEIDDFLSSPMKRTICHERRAKEELQQAAMHSQFBA PL
6570	330	1304	ARLPRLTFLREGFLYVLLSHWVFGAPRPPASDSWKKGLVPSAP PASRNGSKALPAPIPLHPSLQITNYSFLQAVNTFPATVDHLOG LYGLSAVQTMHMHWTILGYPVHETTRSTITEMAAAQGLVDAR? PFPALPPTTHLPHKQGAIAHVLPAHLKORPRFPANLAVAATQ EDPPKMGDLKSLSPGLGSPISGLSKLTPDRKPSRGLPSETKKE FICKPCGRHPTKSYNLLIHERTHTDERFTTCDI CHKAFRRQDEL EDHEYIBSKEKPFKQBGKGFCQSETLAVHKTLEMQTSSPTAA SSAAKCSGEIVICGCT
6571	169	656	AFDMNRKQLKLTDTLTNCKHLPRGFDKNDGCVNVLWINGL SLFLRGLSEEMKICYFVFDLNGDGFISKEMPHMLKNSLLKQP SEEDFDEGIEDLVEITLKMDDHHDGKLSFADYELAVREETLLL EAPGCPCLPDPKQMEFPAQVFKDPNEFNDM
6572	49	1646	TPERAQPGALIGAAGCCVCGGRNWPFRSHRGYPSSAKMGSKREN LSCSERHQKLWDEHYCKKLHVQALKNVNEQIKNQMVQENDNRV QREQLLELLQNEQFELDMBAIQAEENKRLKLLQLEQEKILAM KLAKLKHESLKDEEMRQVRENSIELRLEKLLKAAYPNKERAA QIAEKDAIKYEQMRDABIAKTMBEHERI IKEENAEDKRNEA IAQYTLDLKQLESESKKQRAYEQLLKRLMIDRIVRKIYRED QLSEKQKLEKQMANREYIREPQKEQALMKKKRRENEENRRI I EPANMQQREEDRMKVQENEEKRLQALQALQKLEMLQRED LEQVRQELYQSEQAEIYKELKEBAEKKLRKQKEMKQDFEQMA LKEHLVLAKEEENFRICMLAKFAEDDEI ELMNAQEQRMKQLE HERAVERKLEERRQQLADKQRELEKSWLQORROGFINAI IEE RLKLLKKEHATNLGYLPKGVFKKEDDIDLGEFRKVVQQRSEI CEEK
6573	767	275	GGGGGESQS FRAQDGTPTPATDCIMYLQCPKIMTQGGYDMVQR LFLDFRRRLSQRPTAELEQRNITLKPRNBEQBEKREIKRRL TRKLSQRPTVBELRERKILIRPSDYVEVADQDYDRADKFWTR

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6574	204	1159	<p>LTAADKVSROECNRVGGRTVCNVLGSLGSSV</p> <p>LRSSVPVSVGVFACGVSWTGAAGLQDGAISDTMARNAREKAMTA LARFRQAQLEBEGVKERRPFLASECTELPKAREWRRQIIGRISK KVAQIQNAGLGEFRIEDLANDEINKLLREKHEWEVRIKELGGPDY CKVGPMLDBEGKEVPCNNGYKYPGAAKDLPGVRELPEREPLPP PKYTRAEIMKADPFTYGYLDEDDGVIVPLBQVEYKELRAELVE KWKABREARLARGEREEREEREENIYAVITEESDEBSQKKG GDDSQQKPIAHVFPVPSQOEIREALVRRKMKMLLOKYASETLQAO SEEARLLIGY</p>
6575	117	820	<p>SPALASQSGGITERMRLPQENQVIDLPDYEHVEDETFPFPPFP</p> <p>ASPERQDGGTPEDESGNGAPVPPPKRTVKRNIPKIDAQRLI SERGLPALRHVPDKAKPFCGHEAKOLEMLIRHEHWAHRLFPK LQFEDPIDRVEYLGSKGVQTCIKRIRLDLPILHEDPVSNDEV AENNEHDVTSTELDPFLTNLSEMFASLISLTERQQORIER NQQLALERRQAKLP</p>
6576	1	1060	<p>PEPQALVGQKRGALRLVRLVLTVSAPAEVRRVLRDPVLSMD</p> <p>RETRALADSHFRLGVDVPGVQAPGRVAFVSEPCAFSYADFVR GFLLPMLPCVPSSAFTQNGSERRWVTPAGRFPDPIHLRLTYGDV VVPVANCGVQETNSNPKEBMTLRDYITYWKYIQAGYSSPROCL YLEDNHLCRDPFVEDVFTLPVYFSSDNLNEFDALDVEDDYRFVY AGPAGSWSEPFHADIPBSFSNSVNVCGRKMLLPFGQKEALRDR RGNLPYDVTSPALCDTHLHPRQLAGPPLBITQEAGENVPVPSG WHHQVHNLVMCCFSCPLSGAFLQEDGSTTSPISQPKLGWNGVAH G</p>
6577	2271	987	<p>SDRMASDDPDIIVIRANLEADPYKKEDEQQRKEVKDYPSNTTS</p> <p>TSNSGNETSGSSTIGETSNRSDRDYRRNRSSRSRQRCRHR SRSDNRHGSRSRDRDRDRVHYRSPPLATGYRYGHSKSPHF REKSPVREPVNDLSPFERDARTVFCMQLAARIRPRDLEDFSAV QKVRDVRIISDRNSRRSGIAYVEFCIQSVPLAIGLTGQRLLG VPIIVQASQAKENRLAAMANNLXNGGGMRLYVGSLEHFNITD MLRGIFFBPGKIDNIVLAKDSITGRSKGYGPIITPSDSEARRAL BQLNGPRLAGRPVRVGHVTERLDGGTDITFPDGDQELDLGSAGG RFQWAKLAEGAGIQLPSTAAAAAQAALQALNCAVPLGA LNPAALTALSPALNLSQCLQLSSILFTPTM</p>
6578	377	1489	<p>PSSATMNRAPLKRATILEMALTGASDPSAREANGEKPFLLRA</p> <p>LQIALVVSILYVTSISMVFLNKYLLDSPLRLDTPIPVTFYQCL VTLLCRGLSALAACCPCGAVDFPSLRDLRVARSVLPISVVPFIG MITPNNLCLKYVGAFYNVGRSLTTFNVLLSYLLLEQTTSFYA LLTCGIIIGGFHLGVDQEGAESTLSWLGTVFGLASLCVSLNAI YTTKVLPAVDGSIWRLTFYNNVNNACILFLPLLLLLGLQALRDP AQLGSAHPWGMMLTGLPGFAIGYVTLQIKFTSPLTHNVSGTA KACQTVLAVLYYBETKSLWTSNMVILGSSAYTNVRGWEMK KTPREPSPKDSEKAMGV</p>
6579	2	711	<p>RPPRVWYPELRELAAAAPRWSHRTAPGIMVFFYFTSSSVNSSAYT</p> <p>IYMGKDYENEDLIKHWPEDIWFHVDKLSSAHVYLRHKGGENI EDIPKEVLMDCALHVKANSIQCCMMNVNVVYTFWNLKRTADM DVQIGPHRQKDVIIIVTVEKIVNEILNRLEKTKVERFPDLAAEK ECRDREERNEKCAQIQEMKKREEMKKKREMDLRSYSSLMKV EMSSNQDGNDSDEPM</p>
6580	62	1571	<p>LVALKNWPKPGTINIPAPQSPVFGRAVSGVYMTFVLGMAPVLGP</p> <p>RPPQEQVGPLMVKVERKEERKYLPSLEMFQRFRQPGYHDTGP PREALSQRLVLCCEWLRPRIHTKEQILELLVLBQFLTILPQLQ ANVQEHCPESAREAVTLEDLERELDEPGHQVSTPPNEQKPVWE KISSSGTAKRSPSSMQPQPLETSEKYSWGLYIQESGEEQBPA QDPKVRDCRLSTQHRBSADEQKSEAEGLGDIISVIANKPE ASLERQCVNLNENBGTAKPPLQEAGSKGRRESVPTKPTGERRYI</p>

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			CACGGKAFSSNSNLTGKRRHTGKPYVCTKOGKAFSHSSNLTGK HYRTHLVDRPYDCKGKAPGQSSDLLEBQRMHTBAPYQCKDCG KAFSGEGSLIRHYRHTGKPYQCNCEGKSPSQHAGLSSHORLH TGKPYKCEGKAPNHSNPNKHHRIHTGKPYNCHCGKTFPC SKSNLSKHQHVHTGEGEAP
6581	228	476	RVFLKDLSSTPMASNNTASIAQARKLVEQLKMEANIDRYKVSKA AADLMAIYCEAHAKEDPLLTTPVASENPFREKKTFCAIL
6582	1428	718	CFTTKHCSFVSVFYLSPVLKLESLLENEEDQVITSSPIN QHPYIIFWTLWVYFRRLDPLSNLPLGLTSEHCNEGVQLPLSSLS QDSKLVYIQLWNTINLHQEPREPLYVSWNFNSEKSSLLSEE QOETSILVETIRQSIQENNVLEP INLLSQMKPKMKRORSLYRE ILPLSLVSLGRENIDIRAFDNEYGIAYNSLSSEILERLQKIDAP PSASVEMCRKCPGAPLI
6583	487	41	RIYFMTSGRLRWRCTWRPATLWASALRLGTSSMHPSPRSISLP LSMMLSPSPNTRGLSPTALFRSPDSEHATSCEHLHLWRCAFL RSPSPILGRILQVLPSPPLHVTHTNSGKEVLGLQVQSRSGTGAC SQAGSGAVQGGNWCIF
6584	189	1750	PLPMAALGPSSQNVTEYVVKVPKNTTKKNIMAFNAADKVNFEAT WQARLERDLSENKCTYQEEEMPESGAGSBFNRLRBRARRKYG IVLKEPRPEDQPNLLRVNGKSGRKPGLIKKGGVTENTSYYIFTO CPDGAFAPFVHNWYNTPLARHRTLTAKAEERERERKVLNH FSIMQORRLKDDQDEDEEKEKGRKKASLRIDHLDLDDLEMS SDASDASGEGGRVPAKKKAPLAKGGRKKKKKGSDDRAFSDS DDGDFBQGEVDYMSDSSSSSQEPEKARAPQEECPKGVDBQS DESESEEEKPPBEDKKEEEKKAPTQEKRRKDSSESDSSE ESDIDSEASSAFWAKKCTPPKREKPSGSSRGNSRPGTPSAB GGSTSSTLRAAASKLBQKRVSEMPAAKRLRLDTGPQSLSGKST PQPPSGRTTNSGDVQVTDVAVRRYLTRKPMITKDLKKPQTKK TGLSSSEQTVNLQAQLERLAPERRMINDKQHFSLKE
6585	3	1678	GPILRSRIDDFVGGDPRAEASCSVLHSEKPHAMADSDPASDQMQ HWKBQRAAQKADVIITGAGNPFVGDILNVTUGPRGPLLVDVVP TDEMAHFORERIPERVVHAGGAGFGYFEVTHDITKYSKAKVFE HICKKTPILAVRPSVAGESGSADTVRDPGFAVKPYTEDGHWDL VGNNTPIFFTRDPILFSPFTHSQERHPQTHLEDPMVNDPWSLR PESLHQVSLFSDRGIPDGRHMDNGTGSHTFLVHANGRAVYCK PHYKTDQGIKRLSVEDAARLSQEDPDYGIKRLPHALATGKYPST TFYIQVMTFAQASTFPFNPFDLTKVWPHKDYFLIPVGLVLNRN PVNYFARVEQIAPDPENMPGTHASFDIMLQGLFAYPDTHRR LGFNYLHIPVNCYPYRVRVANYQDGPACQDQDQAGAPNYYPSP GAPEQQPSALEHSIQYSGEVRRNTANDONVTQVRAFYVNLNE BQRKLCENLAGHLKDAQIPQIKKAVNFTVEHPDYGSHIQALL DKYNAEKPRNAIHTFVQSGSHLAAREKANL
6586	32	804	PLPEQPAESTSTMPVSGTPAFNKKRISSKLIMELTGGGQSSGL NLGKLSVPRDVMLEKLSLLTNRGSEMPFLRQMRVEKFTYENHP DVPSDSSMDHPKFLPTVGGQLGTAGQFSSYSKSGRGGSSQAGG SGSAGQYGSDDQHELGSAGGAGCTGCPAGQAGGGAAGTAGVGE TGSDDQAGGEGKHITVFKTYISPMERAMGVDPQKMLGIDLLA YGAARLPKYKSFNRTPAMPYGGYKASKRMTQMEKV
6587	75	1117	RRVPSLGKMPFCHDGEHDYETPYGLLHVVTGSPKGNRPAILTY HDVGLNHLKCFNTFPNFRDMQELTKHPVVCHVDAPGQQVQASQP PQGYQFPSPMEQLAAMLPSVVQHFQPKYVIGVIGVAGAYVLAKFA LIFPDVLEGLVLVNIDPNEGKIDWAATKLSCLTSLDPTVLSH LPSQERLVNNTLVQSYRQQIGNVVNQALQLFWNMYNSRRDL INRPGTVPNARTLRCFVMLVVGDNAPEDGVVECSKLDPTTTT FLKMDSSGGLPQVTPQGL/TEAFKYFLQGWYNPSASMTLARS RTASLTSASSVDGSRPQACTHSESSBOLGQVNHINEVSC

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6588	137	501	LGILQAQLLELRNNYQLSDLEKNGVELTSLRQKVAYLDKRFESK AQKALS KSKAQEVVLLSENEMLQAKLESQBEDFRLQNSTLMA BPSKLCSCMEDLEQENQQLKEGACAGVQAGP
6589	2	1405	RPNGSAMATFSEQRFFQQLQCCLLPTAQGGDQINLLLAICLA CRLLNRLGLPSYLKEASTVAGGPPSLYHFPQLEHVVVLLSLLC YLVLPLCRHSSHRGVFLSVTILYLLNGEMDAVDVTWHHRMROA QMIIVAMKAVSLGFDLDRGEVGTVPSPVBPNGYLYFVGITVFGPW ISPHSYLQAVQGRPLSCENLQKVARSLALALLCLVLSTCVGPTL FPYPIPLNGDRLLHKKRARGTWMVRLAYESAVSPHPSBYFV GFLSEATATLAGAGPTEKKHLEMDLTVSKPLNVELPSMVRVV TSWNLFMSYWLNNYFKNALRLGTFSAVLVTYASALLHGFSPH LAAVLLSLAFITYVHVLRKRLARILSACVLSKRCPPDCSBQHR LGLGVRAINLLFGALAIPLAYLGLSDVDVDDTTEQGYGMAY TVHONSLSWASHNVTPGCWTFYRLIG
6590	2177	656	VRAYZHVLSLEENVTPMFCHEDEYFQQLREGAESPTNSKLNK GSLSDDDFRNTQKRGSFGISRIKSKIGVFKSTMEGAMLPNY GVAEGEDDFIEEGIVVMEODSFVEAVSTFNTFRNLAAWKISIPY VDFFEDPSSERKSKKRIIPVPCIDVERNDRAVCHPEHNSVYR RYLEFYVLESKLTBFHGAPFDAQLPSKRIIGPKNYEFLSKRER PQETYLQKLLQHPLENSQLLADFLSPNGGDTQPLDKILPDVNLG KIISKVPGKLMKRGQHLPEPIMNFINSCESPKPKPSRPELTIL SPTSENNKKLPNDLFENANRAENTERKQNYFMVMTVEGVY DYLMTYVGRVVPQVPMWHLHLLMGTILFNTLEMYTDYTLQCKL EQLPQHRLVSLITLLRDAIFCENTEPRSLQDKQKGAQTTEEM MNYIPDLLVKCIGBETKYESIRLLFDGLQQPVLNKQLTYVLLDI VIQELFPELNVQKEVTSVTSWM
6591	2177	656	VRAYZHVLSLEENVTPMFCHEDEYFQQLREGAESPTNSKLNK GSLSDDDFRNTQKRGSFGISRIKSKIGVFKSTMEGAMLPNY GVAEGEDDFIEEGIVVMEODSFVEAVSTFNTFRNLAAWKISIPY VDFFEDPSSERKSKKRIIPVPCIDVERNDRAVCHPEHNSVYR RYLEFYVLESKLTBFHGAPFDAQLPSKRIIGPKNYEFLSKRER PQETYLQKLLQHPLENSQLLADFLSPNGGDTQPLDKILPDVNLG KIISKVPGKLMKRGQHLPEPIMNFINSCESPKPKPSRPELTIL SPTSENNKKLPNDLFENANRAENTERKQNYFMVMTVEGVY DYLMTYVGRVVPQVPMWHLHLLMGTILFNTLEMYTDYTLQCKL EQLPQHRLVSLITLLRDAIFCENTEPRSLQDKQKGAQTTEEM MNYIPDLLVKCIGBETKYESIRLLFDGLQQPVLNKQLTYVLLDI VIQELFPELNVQKEVTSVTSWM
6592	3	1861	APFPLGSTISSGSMIDANLKLQABQRLKATVAKFAIATKEG DLPPVERFFKIFPILLGLHEBGLRKFSEYLKQVASKABENLLMV LGTOMSDREAAVIFAUTLTLLEFGIARIIVETQPIVETTYGPGR LYTLIKYLQVRCRQVEKVVDKYLEQDYRQPHRVONLMNS TTEKIEPRELDPILTEVTLMARSELYLRLKKRISSDPFVGDS MASEEVKQEBQKCLDKLLNCLLCTMQELIGLYVTMEYFMRE TVNKAVALDTERGQLTSSMVDVFFYIVKRCIGRALSSSIDCL CAMINLATTLESDFRDVLCNKLKMGFPATTQDIQRGVTSVN IMHSSLOQGRFDTRGIBSTDEARMSPLVTIANVEVCSENI STLK KTLRSDCTKLFSQIGGBOQAQKFDSCLSOLAASVSKFRDLIQB GLTELNSTAIKPPQVWINSPVSHNIEERRFNDYEANDPWVQ QFILNLEQQMAEFKASLSPVIYDSLTLGLMTSLVAVELKRVVLS TFNRLGGLQFDKELRSLIAYLITVTWTIRDKFARLSQMATILN LERVTEILDYWGPNBGLTWRLTPAEVRQVLAALRIDFRSEDIKR LRL
6593	3	1837	EAFSAGSRRRGLALQKGVIGGLGGYCPCCERRGRLLVLLLLVR RGEGGGGEGRGDKRRRRQARRQRRPEPEARGGKMDVLSVL RQYNIQKKIIVWEGDEVIFGRFSWPKNVKINYVWGTGREGQPR

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			<p> EYTLDSILFLNNVHLSPVYVRRRAATENTPVVRRPDRKDLIG YLNGEASTGASIDBSAPLEBIGLQRSTQVRAAEVLAEAKFPRI EDEBCVRLDKERLAARLEGHKEGIVQTBQIRSLSEAMSVEKIAA IKAKINAKKRSTIKTDLDDITALEQRSFVDAEVDVTRDIVSER RVWRTTITILQSTGKNFSKNIIFAILQSVKAREGRAPBQRPAPH AAPVDPTLRKQPIPAAYNRVDQRRFKGKEETGSKLDTMGTYH GMTLKSVTGASARKTQTEAPQVFPFRVSRQARPPFNQKKGSRTP I I I I PAAATSLITMLNAKDLLQDLKFVPSDEKKKQGOQRENBL IQERRDQMQGGTAISVTVPYRVVDQPLKLPDQKRVVAVFVQ GPANQPKQWPMILPDGSPVDI FAKIKAFHLKYDEVRLDPNVQKW DVTVLKLSYKRRHLORPVFLRWETLDRYMVKHSHLRF </p>
6594	1	1096	<p> EFPGRFRPGSQASPLCATCGPALLRAPTRAAMTRSLPKGNFWSA DILSTIGYDNTIQHLNNGRKNCKEPEDFLEKRAAIBERYGRDIL NLSRKPKQGGSEINTLKRALEVFPKQQVDNVAQCHIQLAQSLREE ARKMBEFREKQLQREKTELIMDAIHEQKSLQFKTMDAKNTYE QRCRDKDAEQAVSRANLVNPKQKLEFVKLATSKTAVEDSDK AYMLHIGTLDKVRERQSEHIKACBAPEAQECERINFPNALWL HVMQLSQQCVTSDEMTBOVRKSLKMCSTIQRDIEYFVNQRKTCQI PPAPIMYNTFYSSQKNVPAKATGPNLARRGPLPIPESSVDDP NYSLVDDYSLLVQ </p>
6595	57	781	<p> FLGTMSDSILGDEGILLGKRRKRRGNLPKESVKLLRDWLYLH RYNAYPSEGEKLSLGGQTNLSVLQICNWFINARRLLPDMKJRD GKDPNQFTISRGGKASDVALPRGSSPVLAVSVAPTNVLSLS VCSMPHSGQGEKPAAPPFRGELES?KPLVTPGSTLTLLTRAEA GSPTGGLFNTPTPTPEQDKKDFSSFQLLVEVALQRAEMKLOK QODPSLELLHTPIPLVSENPO </p>
6596	2	1026	<p> PRLPVRRYHGRRIQGRSRGHMAEGDAGSDQRQNEEIRAMAATY GBENCVIDDCAKIPCIIRISDDIDDPKWTLCQVMLPNEYPGTAP PIYQLNAPMLKQGERADLSNLSLEIYIQNIGESILYLWVEKIRD VLIQKSQMTPEPGPDVKKRTKEEDVBCEDDILACQPESSVKALD FDISETRTEVEVEELPPIDHGIPITDRRSTFQAHAPVVCPOV KMWLSKLYENKKIASATENTYAYRIYCEBKQTFLODCBDDGETA AGGRLLHLMELILVKNVNVVSVRWYGGILLGPDPRFKHINNCAEN ILVEKNYTNPSPESSKALGKNNKVRKDKRNEH </p>
6597	2	1026	<p> PRLPVRRYHGRRIQGRSRGHMAEGDAGSDQRQNEEIRAMAATY GBENCVIDDCAKIPCIIRISDDIDDPKWTLCQVMLPNEYPGTAP PIYQLNAPMLKQGERADLSNLSLEIYIQNIGESILYLWVEKIRD VLIQKSQMTPEPGPDVKKRTKEEDVBCEDDILACQPESSVKALD FDISETRTEVEVEELPPIDHGIPITDRRSTFQAHAPVVCPOV KMWLSKLYENKKIASATENTYAYRIYCEBKQTFLODCBDDGETA AGGRLLHLMELILVKNVNVVSVRWYGGILLGPDPRFKHINNCAEN ILVEKNYTNPSPESSKALGKNNKVRKDKRNEH </p>
6598	1099	419	<p> PRVRHATTMAFSFENFQYRFPFPFTLQPNVDTROKOLAAWCSL VLSFCRLHKQSSMTVMEAQESPLFNNVKLQRLFPVESIQIVLKE LRKKGHLEWLDRSKSFLIMWRRPEEWKLIYQWVSRSQGNNSV FTLYSLTNGEDTEDEFHGLDEATLLRALQALQEBKASITVS DGPRRQVLLAGTCLPLLLTSHLSRAPKRRQTCPPKGTGSVTPPD SKGLQS </p>
6599	164	1593	<p> KMAALTTLFRYIDENQDRYIKKLAQWVAIQSVSAWPKRGEIR MMEVAAADVQLGGSVELVDICKQKLPDGSRIPLPPIILGRIGS DPQKKTVCITYGLDVQPALEDGWDSEFPFTLVERDGLKHGRGST DDGKPVAGNINALRAYQKTCQBI PVNVRFCLEGMESGSEGLDE LIFARKDTFFRDVDYVCISDNVWLGKKKPCITYGLRGICYFFIE VECNKDLHSGVYGGSVHEAMTDLILLNGSLVDKRGNTLIPGIN EAVAAVTKEKHLYDDIDFDIERFAKDVGAIILSHKKDILMH RNRYPSLSLHGIBGAFSGGAETVTPRVVGRFPIRLVPNMTE </p>

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			VVGEQVTSYLTCKFARLESFNEFKVYMGGGKPNVSDFSHPHYL NGERRAMKTVFGVEPDLTREGGSIPVTLTQBATGKNVHLLPVGS ADDGARSQNEKLNRYNYIEGTMLAAYLYRVSQKLD
6600	2	934	PGRLFRVAANEEAGLEQLIRELLLPTEIRIRATBQLQIVLRAP AALSALCDLLAGAADPQIQPAAVLTRRLNTRWRLLAABORES LESLLTALQRETEHCVSLSLAQLSATIFREKGLBAMVQLQLL QSTHSFSPSPEREMGLLLSVVTSRPEAFQPHRRRLRLNRYT LGEVGSPLGLPYSLRTLTMAFYLTSTEDVPLARMLVPKLDNAMO TLIPIDEAKACRALEALDELLESEVPVITPYLSEVLTFCEVAR NVALGNATRIRILCCLTLFVVKSKALLKRNLLATLAARPFFHC GC
6601	529	1420	PRAAARAPPPAVLRDRRAATAPGAGEMTLHGPLAORYFLNHI KITTWQDPREKMNQPLNEMNLHPAVSSTFPVQSRMAVSQPHLM NHQHQQCMAPSTLSQNEPTQNPAGLMSYPNALTTQOQQOQKL RLQRIQMRERRIRMRQEKLMQDEALCRLPMEARTLAFVQAAV NPTMTFDMRSITNNSDPFLAGGPHYHSEQSTDSGLGLGCYSV PTTPEDFLSNVDEMOTGKAGQTMMNINPQTRFPDFLDCLEPCT NVDLGTLESEDLIPFNVDVESALNKSPPFLTWL
6602	127	617	LDDFPALPKFVLAQSPFAQKPSMTSMQSLREVIKMTKARNP ERVLRKITLVSAADGKVICEMKVBREHINAIGTLHGGLTATLVD NISTNALLCTERGAPGVSDMNTYMSPAKLGEDIVITAHVLKQ QKTLAFTSVDLTNKATGKLLAQGRHTKHLGN
6603	79	660	PVGPSSLAARTGLHPLFLHRLASSRGLMDLLQPLAFLPVLLL SGMGATGTLRTSLDPSLEIYKMPFVKRREQLLALNLAQLNDI HQQYKLLDVMKGLFKVLEDSRTVLTAADVLPDGPFPQDEKLD APSEVVENFAPFGDVVLRFPRIVHYYPDNNSNWLIRNGISPC NCTGVFNQGFSPILSLH
6604	3	688	TSTAQRGGGRMSFRGGGRGGFNRGGGGGPNRGGSSNHFRGGG GGGGGQNFRRGGGRGGFRRGGGRGGFNRGGQDQGPFRVLLGEPL HPCEDDITVCKCTIDENKVPYFNAPVYLENKEQIGKVDRIFGQLR DFYFVVKLSNNMKASSFKLLQKPYIDPYKLLPLQRPPLFRPPGRK GPPRGGGRGGGRGGGRGGGRGGGRGGGRGGGRGGGGGFRGGRG GGFRGGGH
6605	7	848	SGSRGAMRAAGVGLVDCHLSAPDFDRDLDDVLEKAKKANVV ALVAVAEHSGRPFKIMQLSERINGFVLPCLOVHPVQGLPPEDQR SVTLKDLDVALPIETNYKDRLLAIGEVGLDPSPRFAGTGBQKEE QRQVLRQIQLAQKLNLPVNVHSRAGRPPTINLLQEQGAEKVL HAFDGRPSVAMEGVRAGYFYSIPPSIIRSGQQLVKQLPLTSIC LETDSPALGFPEKQVRNEPWNISISABYLAQVQGISVREVIETTT QNALKLPPLRHLQK
6606	2	1682	PVETRPRAEVANLSAHSASPIQDAVLKRLSLLEDIVYROLNGLS KSLGLEGGYGRGKGGPATLSPAERREKAGFHREYGYNSYLSR KISLDRSIPDYRPTCKELKYSKDLPOISIIFTFVNEALSILR SVHSAVHTPTHLKKEILVDNDSDEBLKVPLEKYVHKRYPGL VKVVRNQKREGILIRARIEGWKATGQVTFPDANVETAGNAEP VLSRIQENRKVILPSIDNIEQDNFEVQRYENSAGTYSWELWCM YISPPEDWWDAGDPSLPIRTPAMIGCSFVVRNKKFPGRIGLLDPG MDVYGGENTELGIKVMLOGGSMELVPCSRVARIERKKIPYNSNI GPTTKREALVAEVMMDYKSHVYLAHNLPLENPOIDIGDUSBR RALRKSLLCKNFQWYLDHVYPMERYNNTVAYGELRNKAKDVC LDQGPLNHTAILTPCHGMPQLARYTREGPLHLGALGTTTLPL DTRCLVDNSKSLPQLLDCKRVKSSLYKRNFIQNGAIMNRGTC RCLEVENREGLAGIDLILRSCTQRWTTIRNSIK
6607	137	986	VPACAGLCKEARSLLASPPRLNTKLQASCRALFSPPIQSRTT GISFCGRRGAGGVPTRTQVPAAMGAVNQTFSLSLQTRQRPSKD KTEDELENTMVCHRPGELEQLBAQTNFTRELOQLYRGFKNECP

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			SGVVNEDTFKQIYAQPPPEGDASTYAHYLFNAPDTTQIGSVKPB DFVTALSILLRGTVHEKLRNTFNLIDINKDGYINQEENMDIVKA IYDMACKYTYTPVLKEDTPQHVDPFPQKMDKXKDGIVTLDRELE SCQEDDNIMRSLQLEFQNM
6608	224	1140	RPCPSSPTGLCPRLSYFMILLQHAVLFPFPQSPSPSPMSVATRS TOTLQLPPQKPPGQASLPLAGBEELSNGEODCALREELCKPLY CKLCNVTLSAQQAQHTQGENHKKLRNYAANSCPPPARMSN VVEPAATPVVPVPPQMGSPKPGGRVILATENDYCKLCDASFPSSP AVAQAHYQGENHAKRLRLAEQNSPSESSRLQRRARKEGNEF KMMENRENMVTVQANSGPYFNPSPRQRIPIDLAMCVTPSGQPYC SMCNVGAQEMEPQHLSEKQHKSVSEQRNEMENLGYV
6609	1	443	FLRCRRFPFVAGGRLAGAGLRSEVPAPBQRLSALTLLSWSAVT PAEPGNFQLSPAEPRGPLASPURAAPRACPAAEMSELNTKTS PATQQAQGEKGRAGVVKAREEEIDILTAPETKALALIQ GKFRFPQKRKKDPSS
6610	319	881	GRKSLCNLHPIFRFPLTYPMYMGNMCTAKKCGIRPQPPAILI YESRIKGIQRIMPVENPSEKPSDCTRAAEQLKNNPRKSYLEQ VSLAQLEKLPFLWGYLSQSLAETMEQIQRETTIDPREDLNL DKRLAKRKSIMDELFEENQKKRDDPNFVYDIEVEFPQDDQLQS CGWOTESADEP
6611	978	212	PGCSGAGSRVWVLPALREHLAGSTESSEGRVSPGVDEBERVRV LQGVRLSENVVNRMRFPSSPPAPTSTSTGLQDGNLRAPHKEST LPRSGSSGCGQPPGMRGVKRYBQHAJQDKLPQVAKREREAA TKHSKASLPTGEGSISHRRQKSVRLARELSREARLRRTDTPYK EOLERTERKNAEMKLSSEQFHEAASEMESTIKPRRVRPVCSEL QAQILHCYRDRPHEVLLCSDLVIAQVRCVSAAREK
6612	1724	992	VSTHASALSRTOGQPOQPRAAASGAGAGTAGGGGSGGAGSGKM STEAQRVDDSPSTSGGSSDGDQRESVOOBPEREQVQPKKEGKI SSKTAAKLSTSAKRIQKRLAETLDPFPNCAGPREGDNIYEWRS TILGPPGSVYBGGVFLDITFSPDYPPKPKVTFRTIRYHCNTN SQGVI CLDILKDNNSPALTISKVLLISCILLTDCNPADPLVGSY ATQYMTNRAEHRMARQWTKRYAT
6613	130	748	EELSSNMPEQSNDRVAVFGAGGVGKSSLVLRPVKGTFRSEYI PTVEDTYRQVISCDKSICTLQITDTTGSHPQAMQRLSISKGA FILVYSITSQSLRELPITYEQICEIKGDV3SIPIMLVGNKCDR SPSRBVQSSEARALARTWKAPMETSALAHNVKBLFQELLLNL KRRTVSLQIDGKSKQKREKRLGKCVIM
6614	3	1191	SSAAHAMRVLVRRGNGPPLAEGARRGRPSFQWRALARLGMEDCR DSRVREKPPWRVLPFGTDQFARBAIRALHAARENREELIDKLE VVMPSPPKGLPVKQYAVQSGLFVYEWPDVGSGETDVGVSF GRLLNEALILKFPYGLNVHPSCLPRWRGPAPVHTVLHGDVT GVTIMQIRPKRFDVGPILRQSTVPVPPKSTAKLEAVLSRLGAE MLISVLKNLPESLSNGRQQPNEGATYAPKISAGTSCIKNBQTS EQIFRLYRAIGNIIPLOTLMANTIKLLDLEVNSSVLADPKLT GQALIPGSVYHKSQILLVYCKDGNIGVRSVMLKSLTATDPY NGYLHPWYQKNSQAQPSQCRPQTLRLPTEKKQKKTVMQOCIE
6615	832	35	GRVGAGASAMSRIPGDVRAFLREHPSLRQLTDARKVRCILTGHE LPCLRLPELQVYTRGKRYORLVRASPAFDYAEFPHIVPSTKNPH QLPCKLTLRHINKCEHVLEHTQGRFYQBALCKYECQKQGVY VPACLVHRRRRREDQMDGDPREPRAFWEPSTSSDEGAASDDSM TDLYPPPELFRKDLGSTEDGDTDDFLTDKEDKAKPPREKATD EGRRETTVYRGLVQKRGKQLGSLKCKFKSHRKPSPSSCKQS G
6616	347	1886	LLPPCQGARPLSPSPHASEDNLFNWCILCAFPHPSPQPLQYP VWPLLVIITQIPAPRHLNRPPSPSPSGGLDSFGSLSTPSICRS

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			PAWVKMAPHPKGLVPAVLMLGLSLFLNLPGLPWLQPSPPQSSP PPQPHPCHTCRGLVDSFNEGLERTIRDNFGGNTAWEENLSKY EDSETRLEVEVLGVCSKSDFECHRIELSELVRSWTFHQQA PDLFQWLCSDSLKLCPPAGTFGPSCLPCPGGTERPCGGYGCCEG BGTGSGSGHCDQAGYGGACQCGGLGYFAERNASHLVCSACP GPCARCSGPERSNCLCKKGMALHHLKCVDIIEGTEGANOGAD QPCVNTGSGSYECRDCAKACLGCMGAGPGRCKKCSFGYQQVGSKC LDVDECTEVCEGHEKQCETTEGGYRCICAGGYKMEGICVKEQ IPESAGFFSEMTEDLVVLQMPFGIICALATLAAGDVLFTA IFIGAVAAVTGYNLSESDRVLEGGFKGR
6617	118	673	VHMAQVSLLELLEDRLOCFICLEVFKBSLMQCGHSYCKGCLVS LSYHLDTKVRCPMCHQAVDQSSSLPNVSLANVIEALRLPGDFBP KVCVHHEHPLSLFCEKRDQLICGLGGLGSHQHHPVTPISTVCS RMKEELAAALFSELKQEQKVDLILANLVNRTRIDGSAPSLCPC LGPATFTFL
6618	548	136	DGKVARAPNSPAFQNDIYPLVSAPRATTAESPWSKVLQNTQCR NVPKMTSERSRIPLSAAABEGTGQQQEGRAMATLDRKVPSPR APLGRPSSSWIDAALHCSNDVDLEZAGKQCKSREVMRLNKEA WKYGT
6619	246	842	PASSEVLTAAMVFLLLNCIVAVSQMMGIGKNGDLFRPFLRNEFR YFQRMTTTSSVEGKQNLVINGRITWFSIPEKNRPLKDRINLVLS RRLKRPQGAHFLARSLDADLKLTERPELANEVDIMWIVGGSSV YKEMNHLLHGLFVTRIMQDFSEDTFFSEIDLEKYKLLPEYPC ILSDVQEGKHIIKYKFEVCEKDD
6620	3	1879	NSRVDDFVARARMAAENEASQBSALGAYSPVDYMSITSPFRLP DEPAPAAPLRGRKDEDAFLGDPDTDFDSFLKSARLQRLPSSSSE NGSQDGSPLRETRKDPFSAABECSCRODGLTVIVTACLTFATG VTVALVMQIYFGDPQIFQGGAVVTDAACTSLGIEVLSKQSSV DAVAALCLGIVAPBSGLGGGVMVHDIRRNESHLDIFRBS APGALRETLQRSWETKPGLLVGVPMVGLWEARQLYGRLPWS QVLAFAAVAQDGFNVTHDLARALAEQLPPEMSERPRFTPLPSG RPPLPGSLHERPDABVLVGLTSGPAAFYAGNLTLEMVAEAO HAGGVI TEEDFNSYALVEKPVCGVYRGHLVLSPEPPHTGPALI SALNILEGFNLTSLSVSRQALHWVAETLALALASRLGDPVYD STITESMDMLSEVEAAYLRGHINDSQAPAPLLPVYELGAPT AAQVLIMGPDPIVAMVSSLNQPFGSLITPSGILLANSQMLDPS WPNRTANHSAPLENSVQPGKRLSFLLPVVRPAEGLCGTYLA LGANGAARGLSGLTQVRFTFWLAFFSRPDSGLDCRCLSYLNLV SIPHAANMG
6621	1	662	VQGITSYQRLQALRKRKSRDAARSRRGKNPFYELAKLLPLP AAITSQLDKASIRLTISTYLEMRDPANQDPPWNLMBGPPPT SVKVIQAQRRRSPSALAEVFEHLGSHILQSLDGYVVALNOEG KFLYISETVSYTLGLSQVELTGSSVFDYVHPGDHVEAEQIGMK LPPGRGLLSQGTAEQDASSASSSSQSETPFPVVCFFPASDQFLL
6622	2	319	GRASGAQKETEAGGPERARABANMPKREHPGRSLRIKVISMG AEVGKSCIIRYCEKRFVSKYLATIGIDYGVTKVHVRDRIRVN IFDMAGHPFFYEVREPF
6623	1886	189	KALFERVKKFLHVEEGDILYAMYVRQTVLKVIFLIITAYNSA LVSKVQFTVDCNVDIQDMTGYNFSCNHTMAHLFSKLSFCYLCF VSIYGLTCLYTLWLFRSLRHSFHYVRQETGFDDIPDVKNDF AFMLHMDQYDPLYSKRFVFLSEVSENKLEQLNLNNEWTPOKL RQKLQTNABNRLEPLIMLSGLPDTVFEITELQSLKLEIKNVN IPATTIQLDNLQELSLHQCSVKIESAALSFLKENLKVLSVKPDD MRELPPWYGLRNLRELYLVGSLSDHISRNVTLSESLDLKSLKI LSIKSNVSKIPQAVDVSSHQKMCIHNDGTLVMAHLKRMKN LLELELVHCOLERIPHAVFSLLSLQELDLKKNLKSIEETVSFO

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			HLRKLTVLKLHNSITTYIPEHIKKLTSLERLSFSEHKEVLPESH LPLCNKIRYLDLSYEDIRFIPPEIGVLSLQYPSITCNKVESLP DELYFCKKLTKIGKNSLSVLSPIKGNLFLSYLDGKGNHFEI LPPELGDCRALRRAGLVVEDALFETLPSDVREQMTE
6624	218	1786	GSRRGGGSRIPAVSTHVAPGRSVLEPPASQALRLSLVKALGOC RGRPSGLAHLQSTSENRARSGRACLDPPGELRSFIMKCTA REWLKRVTVLPMARAIAMVVPNATLLEKLEKYMDGGEWNLIA KQGRKRAITDNDMQSILDLHNKLRSSQVYPTASNMTMTWVBLE RSASWARSCLNHBGPASLLPSIGONLGAHNGRYRPPTPHVSQW YDEVKDPSPYTHEHCNYPYCPFRCSGFPVCTHTYQVWATSNRIGC AINLCHMNINQIWPKAVYLVNYSPEGNWNGHAPYKGRPCPS ACPPSPGGGCHENLCYKESDRIYPPREESTNBIHQSSQVHDT HVRTRSDSSRNVISAOQMSQIVSCBVLRLDQCKOTTCNRYBC PAGCLDSKAVIGSVHYEMQSSI CRAAHTYGIIDNDGGWVDITR QGRKHYPKSNENGIQTIGKYQSANSFTVSKVTQAVTCSTTVE QLCPFHKPSHRCPRVYCPKLYASKSTLCSCHWSSSLP
6625	1124	543	PGPRGGGSLSTKALGRSEGLMHPGSSGGTEGGVPTALRP GPLVPSTSDNHLNENLFDKRLARFPHGRLLFLKDLVLDGBCW SPYGGGRKLAEVCCISIVYATEKKQTKVBPPEARIPBETLNLIL YBTPRGDPDALLATGGAAGAGGAGRGEDENREHVRRTYHVR HITDERPHQOIIFED
6626	3	1498	SAVEFVYTDPRFLHIGISVEFLCSLRSDATMESITACILHALQAL LDVPMFPRKIGSDQDSGIKLINLVHRVILTRSPSIQLASLEV RQIIICAAQEHVKEKRRSAEVDGGAEBKTLPEFGEGKDTGGLVP GKSLVPATLELCVCILVRQLPRLNPKLTGSPGVKATKPKQILLED GSRVLSAALVLSLPAVCSPEEGSISILPTILYLTIGVLRATV KLPGGQLSSTVAASLQALKGILSSPMARAKSRSTAWTDLRSAL TTILDNDPVDETHQBLDEVSLLTATITVFILSTSPBVTITPCLQ KRCIDKFKATLEIKDPVVQIKTQQLHESIPIQYFNPAVSYPYIYS LASCIMEKLOEIDKRRPENTABLEIFQEGIKVLETLVTVAEEM RAQLVACLILPILISFLDENSLGSATSIMENLHDFALQNLWQIG PQYSSVPKSLVASSPALKARLEAAIKGNQBSVKIKIPTS KYTKS PGRNSSIQLETSFL
6627	1	697	GIPHLSSRDMTGTPGAVATRDGRAPERSPPCSPSYDLTGKVMLL GDTGVGKTCFLIQPEDGAPLSGTFIATVGIDFENKVVTVDGVRV KLQINDTAGQERFRSVTHAYYRDAQALLLYDITNKSSPDNIRA NLTEIHEYAQEDVVIMLGNKADMSSERVIRSEKGETLAREYGV PFLETSAKTGMNVELAFLAIAKLEKYRAGHQADEPSFQIRDYVE SQKRRSSCCSPM
6628	1	1861	QCAEPGGGGGGGGGGGGGGGGGGGAGGAGGGRNKRERPSAGSKAN KEPGLSLSLILQIIKESQQHGLRREGDFQYRGYCSRRQRRLR KTLNFRMGNREKPTGKEVTEELLTDNRYLLLVMDAERASAM QLKQKANTSFRKRFHLLSRLRKAVKHAELERLCESNRVDKTR LEAQAYTAYLSGMLRFEHQEWKAAIEAFNCKTITYEKLASAFTS EQAVLYNQKVEKISPNIRYCAYNIGDQSAINELWQMLRSGGTE GLLAELKLEALITQTRARQAATMSVVRGRGTVPVKIDKVIIFLL GLAINEAAIVQAESEBTKERLPESMLSECRDAIQVVRRELKPDQ KORDYILEGEPGRVSNLQYLHSLTYTIKLSIAIKRNMARGIQ RALIQQOPRDSKRSRPPQDLIRLYDIIILNLVELLQLPGLBED KAFQKEIGLRLVFKAYRCFFIAQSYVLVKKWSEALWLYDRVLK YANEVNSDAGAFKNSLRLDLPDQELITQVRSERCSLQAAAILDA NDAHQITETSSSQVKNKPLVERFETFLDPSLVTKQANLVHPPP GFQPIPCKPLFFDLALAHVAPPLEKLEKQKESGLTGYIKGIF GPRS
6629	5653	4549	GATPLGSGVGGRTGMDAATLYTDTLRFABFEDFPETSEFVMILG RKYSIFTEKDELLSDVASRLWPTYRKNPFAIGGTGPTSDTGWC

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			MLRCGQMI PAQALVCRHLGRDWRWTQRKQPD SYFSLNAPIDR KDSYYSIHQIAQMGVGEKSIQGWYGPWIVAQVLKLLAVFDTNS SLAVHIAMDNTVMERIIRLCRTSVZCAGATAPPADSDRHCHNGP PAGAKVTNR/SPWRFLVLLIPLRLGLTDINEAYVETLKECFMMP QSLGVIGGKPSAHYFPIGYVGEELIYLDPHITQPAVEPTDGCPI PDESFECHQPPCMSIARLDPSLAVVRGGHLSQAPGABCCLGW TRKTFGLRFFPSMLQ
6630	2	423	LVQCGGIRRRSANGAMPGRHVSRRVRLYRVLQLHRVLPFDLKS LGDQYVDEFRERHKTGSDERQRFQKWKVATALLQQAENRQ NSTGRACFGTFLPSEKLDNDFRDEQIGQLQELMQEATKFNRFQSI SBSMKPKF
6631	2	423	LVQCGGIRRRSANGAMPGRHVSRRVRLYRVLQLHRVLPFDLKS LGDQYVDEFRERHKTGSDERQRFQKQENRVTALLQQAENRQ NSTGRACFGTFLPSEKLDNDFRDEQIGQLQELMQEATKFNRFQSI SBSMKPKF
6632	1273	588	MNSRGRTQGAAPLAPAAAMKAVVQRVTRASVTVGGEQISAYGR GICVLLGISLEDTQKELBDMVRKILNLRVFDESCKHWSKSVMD KQYKILCVSQFTLQCVLEGNKPDPHLAMPTRQAGCFYNSPLEQL RKYTRPELLEDGKFCAYMQVHIONDGPVTELESAPGTATSDP EQLSKLEKQQQRKEKTRANGPSBSSSKERNTPREKDRASSGABG DVSSSEREP
6633	1145	617	ATGRHEGVPTLEGI IQQLVNGIITPATIPSLGFWGLHSNPMFY ANGANGLDIAITOLLNQFENTGPPADKKEKIQALPTVPTREHV GSGLECFVCKDDYALGERVRQLPCNHLPHDGCIVFWLQHDSCP VCRSLTGQNTATNPGLTGVSFSSSSSSSSSSSPSNENATSNS
6634	1	1134	CGGIPRKGSGPRERLPMARLDCLERLMLTLRSLLFWSLVVCYC GLCASIHLLKLLSLGKGPQAQTFRRPAREHPPACLSDPISLQTHC YVRIKDSGLRPHYVANGERKPLMLLLHGFPEFWYSWKYQLREF KSEHYVVALDLRGYGETDAP IHRQNYKLDCLITDIDKIDLSLGY SECVLIGHDGGNIAMLIJAI CYPENVMKLVINPPHNVPTFYI IRHPAQLLKSSYYYPQIPWPFPMFSINDFVLEHLYTSBSTG IGREGCQLTTEDLEAVTYVFSQPCALSGPINHYRNI PSCLPLKH HMTVPTTLLLAGENDAPMEVEMAEVTRFVYKNYPRLLTILSEASH WLQDDQPDIVNKLIVTFLKESTRKD
6635	1420	470	EMRAGQQLASMLEWTRANELPREGLQPHGPSFARVFPAPSSSSG GRGAEPRPLPLSYRLDGEAALPAVVVLHGLFGSKTNFNS IAK ILAQQTGRKVLTVDARNHGDSPHSFDMSYEIMSQDLQDLLPOLG LVPCVVGHSNGGKTAMLLALQRPVELVERL IAVDLSPVESTGVS HVAITYAAMRAINTADELFRSRARLADQLSSVIQDMAVRQHL LTNLVEVDGRFVVRVNLDAITQHLQKLLAPQORQESYLEPTLPL LGGNSQFVHPBHHPEIMELFPRAQMOTVPNAGHWIADRPQDP I AAIROFLV
6636	1514	1801	SFCMFSHKQDSHFQAVPVQEKRRRLRRAPWRAFAQPQRLKHPAE QPIVRQCLQRPPICGVLGVQQQLPPLSLGVLSPHSDPGWCEVD DGGDGVF
6637	2	1501	CSSEPCPHDGTCLVDKAGSYKACLAGYTGRCENTLEAGSKY KASEDSL SVLBERNCSDPGGFVNGYOKITGGPGLINGRBAKIGT VVSPPCNSYVLSGNEKRTQONGEWSGKQPICIKACREPKISD LVERRVLPQVQSRETPHLQLYSAAPSRQLQSAPTKKPALPPG DLPMGYOHLPTQLQYECISPFYRRLGSRRTCLRTGKNSGRAPS CIPICGKIENITAPKTQGLRWPNAQAIYRRTSGVHDGSLHRCAN FLVCSGALVNERTVVAARCVTDLGKVTMIKTADLKVVLGKPYR DDORDKTIQSLQISAIILHFNYPDIILDADIALLKLLDKARIS TRVQPICLAASRDLSFSQBSHITVAGWNVLADVRSPPGFRNDTL RSGVVSVDLSLCEBQHEHGI PVSVTDNM?CASWEP TAPS DIC TASTGGIAAVSFPGRASPEPRNHLMSLVSN SYDTCSHRLSTAF

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6638	1391	224	TKVLPPKDWTERNMK GGIPQAGGEMAAFWNRALCECRWRWGFSTSAVLGRRTPTPLGPM PNSDIDLNLRLKKVRSFDRYERRAEQEAQAFPHNWRTRYEYFG EKTDPPKKIDIGLPPPEVSRTOQLLKKQAIQELRANVEBERAA RLRTASVFLDAVRAEMERTCGFYHQRLABTYGLYRDLPHGATF VPRVPLHVAIVAGSDOLAPVYQNEVETPTAAQAPSVTYRAEAG SLWTLALLTSLDGHLLPDAEYLLHMLLTNIPGNRVABEQVTCPYL PPFPARGSGIHLAFILFKDQDPIFSEDARPSPTCYLAQHTFR TFDFYKHKQRTWTPAGLSFPQCRWDDSVTYIPLQLLDMRBPVFR FVRPPFTHPQQRFPHQPLRYLDRYRDSHEPTYGYI
6639	2046	1268	YGCPIMDGGDGNLYIGQRVFSRAELDERRKRQBEKVRKPE DPBECPEBVDYPSLYBRLQEQDKRQOEYERQFPKQNMVRGLD EORTNPLDEVSRQQLTERDRREBELKELKBYRNNLKKVGISQE NKEKEVKGLTVKPIETENKFSQAKLLAGAVKHKSSSESGNSVKRL KPDPEPDENQEPSSCKSLGNTSLSGPSIHCPSSAAVCIGILPGL GAYSGSSDSESSSSSEGTINATGKI VSSIPTNTPTLEAP
6640	117	1043	VLRPFVDVSMARESRDRIYVLVKGKTSGGKSBATATILGERIFDS RLAAQAVTKNCQKASREWQGRDLVVDTPLGLFDTKESLDYTCRE ISRCILSSCPGPHATVVLVLLGRYTEEQRTVALIKAVFGKSAM KHNVLFTREELBQGFHDPIADADVGLKSIIVKBOGNRCCAFSS NSKKTSSKAEKESQVQELVELIERMVQCNEGAYPSDDIYKDTBER LQOREEVLRIYTDQLNEEIKLVEEDKHKSEKKEKEIKLKLK YDKKIKNIRREARNIPEDVFNRINMPLSBIHHRFLSKCKFYSS SAAVGRNRESEVRGCAPRPLRRSARMDPVPCTOSAPLAGLAWSS ASAPPFPGFSAISCTVEGASAFCKSPAKRSGYFLCLSSLSGLR NPQENVVADIQIVDKEPLPLGFGFVCPDMSKASVSKKRCMCV KLLPLGATDTAVFVRLSGKTTVPQYLRIGDMGOFATWCKKAK AERPVPKPRGLSRDMQGLSILDAASQPSKGLLERTASBLGSRAS TLRENDIYEASSLYGISAMDGVPTLHPREFGKSCSPLAFSAF GDLTIKSLADIEEYNYGFVVEKDAARLPFSVS
6642	22	1296	PLRRMTHMDPNDQMDIYFHLRRYAFDARSPPSNAPSGSTH KRKAMYTQDYKMLGFTNHNINPMDFTQTCPGMLALDMLYLAKV HQDTYIRIVLENSSREDHBCPPGRSAIRJTMLCRILQVGBLP NEGRNDYHMFTHDRAPEELPGICILIANKTKEMRATAEDFN KVMQVVRQITRALPSKPNSLDQFKSKLRSLSYSHILELRQSER MSQDDFQSPPIVVKLRKTIQPEILKLIKQRLNRLCEGSSPRKIG NEERQERPWYCRALNHEKVLHYGLDDTPQGEVTPFSLOKIKIV ADIKAVTCKDCPHMKESALKQNEVLELAPSILYDPESTLNP IAPNKYFYCIWIDGLSALIGKDMSSRLTKSDLDLTLSMEMKLRL LDLNIQIPEAPPPIPEKPSYDFVYHYG
6643	3049	2265	SLHAPAEORTGRALAKPPEMLTRIKLADINAHITCRLCSGYLY DATTVTCEHTFCRSCLVKYLEENNTCPTCRIVIHQSHPLQYIG HDTTHQDIIVYKLVPGLQBAEMRQREPYHKLGMEVPGDIKGETC SAKQHLDSHRNGETWADDSSNKEAAERKPEEDNDYERSDEQVSI CLECNSSKILGLKRWIRCSAQATVLHLKKEIAKKLNLSSPNBL DILCNELILGDEDTLPVVVTRNRPFKAPILLHYRPEMDLL
6644	1489	290	PRPLATEPRGSSPVQLVSGTMSVRTLPILLNLGGEMLYILDQR LRAQNI PGDKARKVLNDIISTMPNRKPMELFKPQELYSKKALR TVYERLAHASTHGLNDSMDKLYDLMTWAFKYQVLLCFEPKDVLL LVTFNHLDTIKGFIRDSPITILQOVDETLRQLTEIYGGLSAGEFO LIRQTLILIPFODLHIVSMPLKDRVQNNNGRFVLPVSGVPWAGT EVPGLIRMFNNKQBEVKIRFKHGQNTVPAPKEGSEFEYGDRLV KLGTNMYVNPQVETHVSGSSKNLASWTQBSIAPNPLAKRELN LARLMGGMKIKKPSGPEPGPLNLPTTDEEERQAALTRPEKLSY EVINIQATODQQRSEELARIMGEFETBQPRLSTSEKDDLLAM DEL

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6645	6530	4646	FVEGLAGYVYKAASEGKVLTLAALLNRSSEDIRYLLGYVSQOG QQRSTPLI LAARNGHAKVVRLLLEHYRVQTOQTGTVRFDGYVID GATALLCAAGAGHFEVVKLLVSHGANVHTTNTSTPLRAACPD GRLDIVKYLVENNANIS IANKYDNTCLMIAAYKGRTDVVRYLLB QRADFNAAHCGATALHFAAERAGHIDIVKELIKWRAAIVVNGHG MTPLKVAABSCADVVKLLLSHADCDRESRREALELLCASPAND RENVDI IKTTHYLVLAMLERPDGDWILKEEVLPPITHAYGNRTE CRNPQELRSIQDRDALEMEGLIVRERILGADNIDVSEPIIYRG AVYADNMBFEQCIKLWHLALHLRQKGNRTEDLLRPAQVFSQM IHLNETVKAPDIRCVLRCSVLEIQSMREVENISDADVHNAMDN YECNLYTFLYLVCISTKTQCSERQCKINQIYNLIHLDPETRE GPTLLRLAVNSNTFVDDPHNDVCSFPNALVTKLILDCGAEVNA VDNBNLSALHIIVQYNRPISDFLTLSIIISLVEAGAHDTMTNK QNKTPLOKSTTGVSILLKTQMKMSLRCLAAARAVRANDINYQDQ IPRTLEEFVGFH
6646	176	890	PSSRMNHLFEDMENALTGSQSSHASLRNINHSINPTOLMARTESY EGREKKGISDVRRTFCFLFVTFDLLFVTLMI IELNVNGGIENL EKEVMQYDYSSYFDIFLLAVFRFKVLILAYAVCRLRHWAIAL TTAVTSAPLLAKVILSKLFSQAGFYVLP IISFLLAWIETWFLD FKVLPOBAKRENRLLIVQDASERAALI PGGLSDGQFYSPPESHA GSEEAEEKQDSKPLLEL
6647	176	890	PSSRMNHLFEDMENALTGSQSSHASLRNINHSINPTOLMARTESY EGREKKGISDVRRTFCFLFVTFDLLFVTLMI IELNVNGGIENL EKEVMQYDYSSYFDIFLLAVFRFKVLILAYAVCRLRHWAIAL TTAVTSAPLLAKVILSKLFSQAGFYVLP IISFLLAWIETWFLD FKVLPOBAKRENRLLIVQDASERAALI PGGLSDGQFYSPPESHA GSEEAEEKQDSKPLLEL
6648	413	897	RNCWNCPTFYFNSPPEDIDHKOSYLITRSIMARPDYIEDDNPEL IRPQKILNPVETSRNHQDLHRELLMNQKRLAPONKPELQKVM KRERDQVIRQKEEAQKKKSDLEILLKROQKLEQLELEKQKLO EEQENAPEFVKVGNLRRTGQEVAAQES
6649	1357	832	WIPRAAGIRHEVKMDVKETMSQHNIVDALLKPEQFNRRLNEV SEKVRILPLPVSNIWEHCIRLANRTIVEGYANVKKCSNCGRALM QLDPOQPLMKLEKLTDIRPTDKRFVETIYKAYYLITENDMERWI KEHREYSTKQLTNLVNVCLSHINKKARQKLLAIDDIRPKR
6650	32	765	LVPLVFSLLVQSCQVYRS IANKFVPCLLVTLSCIGTLGQAPR QKQSGTGEBPHFQTGGRDSCIMRPSISLQGAGBVWLRVDCRNTD QTYWCEYRGQPSMCQAFADPKSYWNOALQRLRLHHAQAGAPV LRPSVCRRAGPOAHMQVTSLEKCSPEFNOQPEAGTPELSPKAT VKLTZATQLGKDSMEELGKAKPTTRPTAKPTQPGPREGNEKAK KRAWEHCNKPQALCAFLISFFRG
6651	3425	1353	AKELLKVDPSLCAGFYQNTADTNENLSREPLASPVSESFDISA CGIATERVKIDNSGEGLTARAGSETLSRDGEVGVNSDMHYELSG DSDLDLLGDCRNPRLDLEDSTYLLGSSYTRKIDVPTDGYRSSINP HNNQEDWGCSSWVPGMETSLPPGHWTAAVKREKCVPTVQIR DLRGILATYANFSITKELKDTMRTSHGLRRHPSFSANCGLPSSW TSTWQVADDLTONTLDLEYLRFAHKLKQTTINGDSQHSASSANV FPRESPTQISIGAFPSKISEAPLHPAPRSRSPLLVTVVESDP RPQOQPRRGYTASSLDSSSWRERCSHNRDLNSQRNHTVS FHL NKLKYNSTVKESRNDISLILNETAEPNKVMNSNQFIQDKELN DVSGEATAQEMYLFPFGRSASYEDIIIDVCTNLHVKLRSVVKEA CKSTFLYLVETEDKSEFFVTKNLLRGGHT2IEPQHFCQAPHR ENDTLII IIRNKDISSHLHQIPSLLLKLFHPSVIFAGVDSPGDV LDHTYQELFRAGGFVISDDKILRAVTLVQLEKIIKILEKLANGG RWKWLHYRENKLLKRDERRVDSTAHKKNIMLKSPQSANTIIELEH YHQCDSSSTKAEILKCLNLQIQHIDARFAVLLTDKPTIPREV

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6652	2	1343	<p> FENNGILVTDVNNFIRNIRKLAAPFRSSYN IFGSTTSCSCHSRRLRGSSPAPRLSLGAASPRPRPFLPLPLPL PPLPLFLTPAERAWTSRRASENVGMEVPRLDHALNSPTSPC REVINKLSLEAIQLCDRDGHSQDSGIAEMELFVPHNIRISNI TCDSPKISHWMDSKSKDRITHYFDLNRKQKQNSNKP/KHKDVPT ELVAKAVPLPMTVRGHWFLSPRTTYTAVQTASKQVDGDVVSSE WSEILBPTADYSKVHLTQLLEKAEVIAGRM/KFSVPYRNQKKE YFDYVREHGMAMQPSVKNSGSHGSPISGLBGIPFSCSTSPN TGRPPQDSPYGRYRFRFAAEKLPMPNTNLYFGDFYCMYTAHYV ILVIAVGSFGDEFCKQRLPQLESKDNKPLTCTEEDGVLVYVHA QDVILEVIYTDPFVDSLGTVAITGHQLMSLSTANAKKDPSCRT CNISVGR </p>
6653	170	1910	<p> FFLHPRLEPFPASRARVPVAPTRPSPILHPOCCFPEGGSMLSPQ RVAAAASRGADDAMESKPGFVQVVLVQNDQHSFELDEKALASI LLQDHIRDLDVVVSVAGAFREGKSPILDFMLRYLYSQKESGHS NWLGDPREPLTGFPSWRGSDPFTTGIQIWEVFTVERKPGGKVA VWLMDTQGAQDSQSTVKDCATIPALSTMTSSVQIYNLSQNIQED DLQQLQLFTETGRLANDKIFQKXPOTLMLPLVRDWSFPYBYSYGL QCGMAPLDKRLQVKEHQHRIQVNRHHSKCPSDVTCFLPHPG LQVATSPDPDGKLDLAGEFKQLQALIPYVLPNSKLMKEKING SKVTCRGLLEYTKAYIKIYQGEULPHPKSMLOATAEATNLAAAA SAKDIYNNMREVCQGEKPYLSPDILEKKHCEPKQLALDHFERT KMGKKDPSFRYQQLBKEIKELYENFCKHNGSKNVSTFRTPA VLFTGIVALYIASLGTGFIGLEVVAQLEFNCNVGLLLIALLTWGY IRYSGQYRELGAIDFGAAVVLQASSHIGNSTQATVRDAVGR PSMKKKQ </p>
6654	1	705	<p> RTSLSPSQCSFNLAMASAGMQLGVVLTLLGMVNLVSCALPM WKVTAFIGNSIIVAQVWVEGLMNSCVVQSTGQMCKVYDSLLAL PQDLQAARALCVIALLVALFGLLVYLAGACTTCVEEKDSKARL VLTSGIVFVISGVLTLPVCMTHAVIRDFYNPLVABAQKREL ASLYLGWAAAGLLLLGGGLLCTCPSGGSQOPSHYMARYSTSAP AISEGSPSHYPTONYV </p>
6655	341	16	<p> KDAYMFKGGLLALALVFSLPVFAAEHNIDVRVPEQYQOEHVQGA INIPLKEVKERIATAVPDNDTVKVCNAGRQSGQAKKILSEMG YTHVENAGGLEIDAMPKVG </p>
6656	2	1212	<p> TELPFRANLATQPPLSPLRALAPLPEKPGAVPPQKRMKAVAK DLNPGVKMSLQQLQSARGVACLCKGTGSGFEPHWRKICKSC KCSQEDHCLTSDLEDDRKIGRLMDSKYSTLTARVKGSGDGIIRY KENEMIMTNPLATGKDPFTDTTYEWAAPGVTTQKLGLQYMKLIP KKKQPVGTGAPYRRRLMRQLPIYDQDPSCRGLENNELKLM EEPVQYKSEALGVGEVALPGQGLPKKEGRQKEPEGASTTAA TTNGSLSDPSKKEVETVCELCKGAAPPDSPVVS DRAGYNQWHP TCFVCAKCSPLVDLIYFWKDGAPWCGRHYCESLRPRCSGDEI IFADTYQRVEDLAWHRKHFVCEGCEQLLSGRAYIVTRGQLLCPT CSKSKRS </p>
6657	830	2120	<p> LITQKRAGDCLLSASTMKEVVYWSPKKVADWLENNAMPBYCEP LEHFTGQDLINLTQEDFKKPLCKRVSSDNGORLLDMLETLMQEH HLBAHKKGHANGHLNIGVDIPTPDGSPS IKI KPMGMPNGYRKEM IKIPMPBLERSQYPMENGRTFLAFLYALSFCVLTITVMSVVHER VPPREVQPLPDTFFDHFNRVQWAFSICRINGMILVGLNLIQWL LLKYKSIISRRFFCIVGTLYLYRCITMYVTTLFVPGMHFNCSPK LFGDWEAQLRRIMKLIAGGLSITGSHNMCELYLSGHTVMLTL TYLFIKYSPPRLWNYHWICWLLSVGIPCLLAHDHYTVDDVV AYYITTLFWNYHTMANQVVLKASQNELARVWVYRPPQYFEK NVQGIVRPSYHWPFPWVHLSRQVKYSLVNDT </p>
6658	35	855	<p> HCCALGAPGSPYRGLYFSSAAPCTAPRKAKHQSTLEGLTKRMLM </p>

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			FDPVPEQKAMDPSVSYPSPNYMESMKPNKYGVISTPLPEKFP QTPEGLSHGIQMBPVDLTVNKRSSPPSAGNSPSSLKFPSSHERA SPGLSMPSSSPPIKKYSPSPGVQPPGVPLSMPVMAAALSREH IRSIGILPVIQPVVQPVVPMYTSHLQQPLMVSLSEEMENSSSS MQVPVIESYEKPISQKIKIEPGIBPQRTDYPEKMSPPLEMSV SPPQALLQE
6659	18	523	EPQEGDCBTFQNCSLPKFVCFPCWGFNLWRAHSMSTHSLFGL RGLTSISRNQLQCTNAMKVINNYQRRWKNQNTFLATFANVVW CGNPTITCPHNETLENCHSGVQVPLMYCNLTTPSPQNISCRY AQTFAHMYTIVACINRDRQRRDPPQYVVPVHLHTII
6660	514	1707	CAASLDCRNHLCRPMKLVWPSAKLLQAAGASARACDSVTSNV LPLLEQPHKHSQSSQRTILEMLLGLKLQKQNSYEDKQRP L NGPKDQLCSLVFMAITDPSQLQLVGIRTLTVLGAQPDLLSYED LELAVGHLYELSPLEKDSQSCRVAALEASGTLAALYPVAFSSHL VPKLARELVGESNLTHGDEPTQCSRHLCCQLQALSAVSTHPSIV KETLPLLLQHLWQVNRGNMVAQSSDUIAVQCSLEPMARKCQODP ESNYFHTQTAIPCLLALAVQASMPKEKPSVLRKVLLEDEVLAM VSVIGTATTHLSPELAASQSVTHIVPLFDGHSVSLPENSFPSPRF QPFQDGSQGRLLTALLMAFVCSLPRNVSEHINEVLLFNLDKVT PG
6661	179	430	GVHAASGTLSATWLARAKMFDLSARAGKYLQAAKIMIGMPDYD NYVEHMRVNEPDQTPMTYEEFFRERQDARTGGKGGARCC
6662	185	423	RLSPKAPAPQFASIHCAFPQSVTPPTAKTAMSDGNTAFNALNYC GPKADGNIFSAAPASSAVKASVSVAQPGQAVTP
6663	3	1005	RPVLSSRVDVFPVPLPETSGRKKLRMYSDVRVSDDIPIRTWP PKENLFSPTASTTMAISNFRKHLRMVSGRRVKAQTFAERREK SPSRSNSDPTPMKADTSHDSRDSDLQSSHCTLDEAFEDLDNDT EKGLEAVACDTBGFPVPKVMILISSKVPKASTIPTIIRRDPSII PLYLDEHETATFEDILEEIERKRLNVYHKAKIWKMLIFCQGGPGH LYLLKNRVATPAKVEKEEDLHPFKRLSRIMASVNPFPFVTHDM GCYILGNFNGKLLPONLRTLTMTPTVTRVTFRSPLELSAQGEQMIET YFDFRLYRLWKSQRQSKLLDFDDVL
6664	58	968	PRLLRLPRSVVMDSPWDELALAFRTSMFPFDDIAHYLVSVMA VRQPGAAALAWKPISSWPTAMLHCFGGGILSCLLAEPPLEK LANHTNILLASSIWIYITFPCHDLVSQGSYLPVQLLASGMKRV TRTWKIVGGVTHANSYKNGWIVMLAIGWARGAGGTIITNFERL VKGDWKPEGDENLMSYPAKVTLLGSVIFTFQHTQLAISKBNL MPLYITFIVATKITMTTQTSTNTTFAPFEDTLSMMLFGWQQPFS SCREKSEAKSPSNGVGSLSASKPVDVADNVKIKHTKKNB
6665	171	1278	DERELACRQVVTQQRSELYPGPQKQRFLPKAGEEAAQGGHRL PGRNLGPGCTQNPCSVHTATGPEPRKLELLEPDSPESGYKPEPA ALCPGIPSPCMTSDLSITAKLINGGVAGLVGVTCVFPIDLAR TRLQNHGKAMYKGMIDCLMKTARAEGFFGMYRGAANLTLVTP EKAILEANDFFRLIMEDGMQRNLKMEMLAGCGAGMQVVTTC PMEMLKIQLDAGRLAVHHQGSASAPSTSRSTTGSASTHRRPS ATLLAWELLRTQGLAGLYRGIGATLLRDIPFSIIYFPLFANLAN LCPNELAGKASFAHSFVSGCVAGSIAAVAVTPLDVLKTRIQTLK RGLGEDMYSGITDCAR
6666	498	2868	MTTFLPVEQMAGFSFGTFGNPPMESPSAMQTIHQPFIVSCLTL NSFGCNPOPIQREGVGLWDIRKPOSSILLRYGGNLSLQSAHSVFP NSNGTQLLALARRLPVLYDIHSRLPVFQFDNQVYFNSCTMKSC CFAGDRDQYILSGSDDFNLYWRIIPADPEAGGIGRVVNGAPMVL KGHRSIVRQVRFNPHYTIMCSSGVEKIKINSYKQPGCTGDLG GRIEDDSRCLYTHEEYISLVINSGLSHDYANQSVQEDPRMA PFDSLVRREIBGWSDDSDSLSBSTILQLHAGVSRSGYTDSES SASLPRSPPTVDESADNAFHLGLRVTITNTVASTPPTTCED

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			AASRQRLSALRRYQDKRLALSNESDSSENVCEVLDLDFPR PESPSPEDESSSSSSSSSSEDEEELANERRASTNORNAMRRRQKT TREDEPSAPIKPTNTTIGEDNTDTPQIKVDLSSSPTSSPERST STLEIQPSRASPTSDIESVERKTYKAYKMLRYSTLSYSHKDE TSLVTGEADEGRAGTSHKONPAPSSSKEACLNIMAAQHRQDLPP EGCSKDTFKETPTPTSPNGPGHEHSHAMAEVPRGTSDTGNSSG SVREPPSTKINGKALSSRAEPPSPVPFASGSTLNSGSGNCP RTQSDDESEESLETICAFHNGRLHPRPPHENGQNLGLELVV AYSPGHSUTORDNSLTAGTLLEKDCGSEMACETENAGTRKOP TDTPATDSSRAVHGSGLKRQRIELSDTDEHSSSKKILKT
6667	171	1310	AREVERLAAMESDGLVPGTHPTPIRRRSKFANLGRIFKPKWNRK KKEKPKHTSAALERKISMROSREELKRGVLKEIYDEDELISI SNEEDSLHNGQSLSSQLSLPALSEMEPVFMPRDPSCSYEVLOPS DIMDGPDPGAPVKLPCLPVKLSFPLPPKRVNICMPVGGFDLSLV SYTAQKSGQQQVAGHHTVLPSTQIQHQLQVSHGQHLPTTGS FMRPSCCMIDELANKTLANTHQRLESSQRVPCSTSYHSSGLHS GDGVTKAGFMGLPEIRQVPTVVIECDNKENVPHESDYEDSSCL YTREREREREDDDSSLYTSSLAMKVCROSLAIEKPSMRPSKR ELKEENILPROTDERLELRQOIGTKL
6668	714	358	TLAVATGPALTLRCHVCTSSNCKHVVCPASSRPFCKTNTVBP LRGNLVKEDCAESCTPSYTLQGGVSSGTSSTQCCQEDLCNEKIH NAAPTRTALAREALSGLALSLILAVILAPSL
6669	459	1207	KDESTRKDYDYMLDHPEYXSHYHYXSRRLAPKVDVRVVLVS VCAISVPQFFSWMSYNKALISYLATVPKRIQATEIAKQGLLK KAREKGGKRSKEERDEENILKNIKSKIDIKGGYQKQPCD LLLPQIILAPFHLCSYIVWYCRNIYNFNKSGKEYGEREYIIR KSNRMSKSQVDSLEDEKQETFLERELWIKENYEVYKQGEELK KILANDPRNKRYRWMMNKGPGRLTFVDD
6670	184	594	VARI*GEAAKNSSEPPPPYPGOPTAPLLEKSGAPPTGRSSPA VMQPPPGMPLPADIGPPFTEPPGHPMPQPGFIPPMASDGTYM PPGFYPPPGPHPMGYTPPGPYTFPGTPGGHTATVLPVSGAA TTVTV
6671	1	763	LPAEKPRSAFPMAGGCGPQLTALLAANLAAVANTAGPPEAALP PEQSRVQPMATASNTLVMEGEMLEKPYAPWCPSCQQTDEWEAF AKNGEILQISVGKVDVIOEPGLSGRPVFTLPAPFHAADGIYPR YRGPGIFEDLQNYILKKKQSVBPLTGWKS PASLTMSGMAGLFS ISGKINHLNHYFTVTLGIPANCYVVFVIATLVFGLSMDLVL*V ISQCNDPPYRHVS*/RPSTHLGVHTAHTSEHLRL
6672	304	1089	APGSKPVQPMDFEGKTEFGMSVPNLSNAINSGILGLAYAPHT GVIFFLALLICTALLSSYSIHLILTCAGIAGIRAYEQLCORAFG PAGKVVVATVICLENVCAMSSYLFIKSELPLVIGTFLVMDPEG DWFLRGNLLIITVSVLIILPLALMKHLGYTSGLSLTCMLFP LVSVIYEKPOLGLCYRATMRQQWSEALVGTPOFRODSTAAVIAQ NPHS*LTQVLTQNPIMAFAPVCHPGGAGPSITELCRAFOAD
6673	1116	1963	LQIQTHHTRHGRVTHLGHQLLANAGTMLCRQSSSMAPAFSQ SVTCGSPCVKQESATKCLHIGACGSDLWARGNEQG*G*GLNV WLCPCVAFHGRARQARECGARNNSLVSPWIPFP*HSSIGAE NAVPRP*QG*KVNPSCQERQS\WVLPVPVGEPLKLPGLPG*NX SFSRV/SQSGKMLPROLM*AS*R\TPRFVPGTQWVPIW/PL ITWH*SAPTPPLKACPAPRESDPCCSSCLSCPCVTQEPFSDTGW FGAGHCHSSCDPTRKGAAGGPG
6674	1	440	LEPDYMCQYDYVEVRDGDNRDQIYKRVCGNERPAPIQSIGSSL HVLPHSDGSKNFDGPHATYREITACSSSPCFHDTCTVLDKAGSY KCACLAGYTGRCENLLEERNCSDPG/WPSQVVPENNRGPWAYQ PTPC*IGTRVAFPLT

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6675	277	1678	GNWPTERRMAFLNPTTILAHIRQSHVTSDDTGMCEMVLIDHDVD LEKIHPPSPMPDGSSEIQSGNGSTQGYVYAQSVDTSSWDPGIR RRSNTAQRRLRLRKRQWQIKCKNIQWERNKSKQAQRLKSLFE KSLKRPPIISGKQSILSVRLBQCPLQIANPPEYSEKPDGKGV GTTATKKIDVYLPILHSSQDRLLPMTVVMASARVQDLIGLICWQ YTSEGREPKLNDVSAAYCLHABDDGEVDIDFPPLDSNEPIHKP GFSTLALVEKYSSPGLTSKESLPVRINAAGPSLIQVQNTKVTM KRILLKAVRRKRSQKVSGRADGVFEEDSQIDLATVQDMLSSH HYESFKVSMIHRLRFTTDVQL/GCALFPGLVKRAAPVDCLRPS ADTWROBQIGCCGAACAALRS*DSHKC*EGISGDKVKEIDPVTNQ KASTKFWIKQKPIISIDSLLCAC\DLARB
6676	277	1678	GNWPTERRMAFLNPTTILAHIRQSHVTSDDTGMCEMVLIDHDVD LEKIHPPSPMPDGSSEIQSGNGSTQGYVYAQSVDTSSWDPGIR RRSNTAQRRLRLRKRQWQIKCKNIQWERNKSKQAQRLKSLFE KSLKRPPIISGKQSILSVRLBQCPLQIANPPEYSEKPDGKGV GTTATKKIDVYLPILHSSQDRLLPMTVVMASARVQDLIGLICWQ YTSEGREPKLNDVSAAYCLHABDDGEVDIDFPPLDSNEPIHKP GFSTLALVEKYSSPGLTSKESLPVRINAAGPSLIQVQNTKVTM KRILLKAVRRKRSQKVSGRADGVFEEDSQIDLATVQDMLSSH HYESFKVSMIHRLRFTTDVQL/GCALFPGLVKRAAPVDCLRPS ADTWROBQIGCCGAACAALRS*DSHKC*EGISGDKVKEIDPVTNQ KASTKFWIKQKPIISIDSLLCAC\DLARB
6677	277	1678	GNWPTERRMAFLNPTTILAHIRQSHVTSDDTGMCEMVLIDHDVD LEKIHPPSPMPDGSSEIQSGNGSTQGYVYAQSVDTSSWDPGIR RRSNTAQRRLRLRKRQWQIKCKNIQWERNKSKQAQRLKSLFE KSLKRPPIISGKQSILSVRLBQCPLQIANPPEYSEKPDGKGV GTTATKKIDVYLPILHSSQDRLLPMTVVMASARVQDLIGLICWQ YTSEGREPKLNDVSAAYCLHABDDGEVDIDFPPLDSNEPIHKP GFSTLALVEKYSSPGLTSKESLPVRINAAGPSLIQVQNTKVTM KRILLKAVRRKRSQKVSGRADGVFEEDSQIDLATVQDMLSSH HYESFKVSMIHRLRFTTDVQL/GCALFPGLVKRAAPVDCLRPS ADTWROBQIGCCGAACAALRS*DSHKC*EGISGDKVKEIDPVTNQ KASTKFWIKQKPIISIDSLLCAC\DLARB
6678	221	865	GFNSQSSGSLIVTGCSYYS*INDTCTILEVLSSNEGRQ*LR PFPSCQLPMSQGLWHLDDCCFNVPYIPGQWRKGRQRMN*QS LIGSDQBSVGLIEDICVFNFLHVLVGLFP*PRELFLLPVVDLG PLFPILLGGGCHLVLPANLVSAQAPIGKLSCLQTHDEGSRN HEPLFLVVRHDAVKHLETUQSLASLGFPVQORTSHGP
6679	2	786	LEFARGAMPFLGQDNRSPGQNNVKTVDGWRFLDEKSGSPVSDI SSYCNKRVYNKENLNSLYD/SCSQERKEGHAB*QONQS\DPH QERWLYVHEGSTYKRRGYCTLGEAPRLDFTAILDSRFNTVV RLLELIAKSQLTSLSGIAQRNFMHILEKVLKVLDDQNTILIR ELLQTLTSLCTLVVRVQSVLVGNINMVMETILHWQQQLN NIQITRVSGQAQPPPGSGLHRTGQTRQDFEPTPVTESSGLF
6680	1498	2951	PLCTLPNPSALPGWAGERWEKQWPLA/PGPGTWQTPVGSISRE P\RKNEPDTHCPREARPEV*HLKPHSPGSEGAIRQISA*ALP /NQVSPQPM*GABENGDRGKERAGERLHRSSSGLTAAPGF? EVHRNLQTFPLPSRGGGP/GGAGTQGSWAPGBQPP/SELLPAS MORSQAGLPGWEAGLVESPTHEIPALRPSGINATGEAPPSTCS SGP/PAPPPTGLRPGCGSSSGHG**PGLFVGKV/GALGAAQD PQSQRGPQTQTVGTMLLSGLGSAKACPAARPAV*LPSPDPA TIPKRGTRGPGGPGVLQERNRVVGRACFTSADAAGTAPPOV *LPAPLSQPPGATEPQVRACGMAPPSPGTSGLVANGRHGPOV AQGCPPGAGCWSQPRGSORCPRTYTHSPLHGGRAPCPRECNH* WQDPSPSSPRTGCLPGIPARQAYSAPRTSRPGIRTGAAAYGPIR PQGGGGC

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6681	1169	511	INVIYVNOQQRAPEHLK\KRLMSAPALGLPDLTKLFTLHVSERE EMTVGVLTQTGVGFWSPGAYLSKQLDGVSEGNPPCPRALAATL LAQEADELTLRQHLEKSPHA\VVTLINTEGHE*LINARLTRYQ TLLCENPHKTIKVSNT\INPATILLVTSFVKHNCLEVLDSVYS SRPHLRDHP*TSVDWELVVDGSGFANPCRVTLKETSAPVTPR S
6682	109	1238	TVLCGAMQVSSSINEVKIYISLSCGKSLPEWLSDRKGRALQKRDVD VRRRIELIQDFEMPTVCTTLEKVSQGYLLATGYKPRVRCYDT YQLSLKFERCLDSEVVTFFILSDYSKIVPLENDRYIEFHSQSG PYTKTRIPKPGRDFSYHYPSCDLYFVGASSEVYRLNLEQGRYLN PLQTDAAENNVCDINSVHGLFATGTIEGRVBCWDPRTRNRVGLL D\AP*TVSQIQOR*TSLEPTLSALKFN\GALTHAVGTTTGQVILY DLRSDKPLLKDHQYGLPIKSVHPQDSLILSADSRIKVMNNK NSGKIPTSLEPEHDLNDVCLYPNSGMILLTANETPKMGIIYIIPVL GPAPRWCSFLDNLTEKLEENPESNE
6683	109	1238	TVLCGAMQVSSSINEVKIYISLSCGKSLPEWLSDRKGRALQKRDVD VRRRIELIQDFEMPTVCTTLEKVSQGYLLATGYKPRVRCYDT YQLSLKFERCLDSEVVTFFILSDYSKIVPLENDRYIEFHSQSG PYTKTRIPKPGRDFSYHYPSCDLYFVGASSEVYRLNLEQGRYLN PLQTDAAENNVCDINSVHGLFATGTIEGRVBCWDPRTRNRVGLL D\AP*TVSQIQOR*TSLEPTLSALKFN\GALTHAVGTTTGQVILY DLRSDKPLLKDHQYGLPIKSVHPQDSLILSADSRIKVMNNK NSGKIPTSLEPEHDLNDVCLYPNSGMILLTANETPKMGIIYIIPVL GPAPRWCSFLDNLTEKLEENPESNE
6684	111	527	GLECGTSKGRAGREPHFAAGVLGVVAGFCQSPCPGGRERBAPA PP\SGRRHA*RAP*WLGPGGDSGGRBEGGS/OKLQRAMESKMO KLPLDINIQEPRNDQSTFLGRARHPTVTPDRNLLSGAQLEAS RNTVQNYR
6685	258	1473	KLLGDNFBGFCNKPELSDSENGSNS*QSPL\FDLFPDPPQKVL QGVIMQNAVIGNNKQKANLIVLGAFFLLYLLQOETSSTELKT BCAVVLOSLANGTENNVSLLDCHIIPALLQGLLSPLEKFIKAC LRLCLRTIFTSPTVPERLLYTDATVIPIHALLSRRYTQBYICQ IFSHCCCKGPDHQTLLPHTGAVQNIHLLTSLSYKVMQALKCPB VLAPENPQVEMTLWVVLVDGELLFQIFVMDLQDKPIEMQLTSA KCLTYMCRAGAIRTDNRCIVLKTLPCLVRMCKSKELLKEERVEGA ETLAYLIEPDVLEQRDASITDHLIAMLADYFKYPSVSATIDIK RLDHDLAGHAEHLQAAPKLYASLGANDEDIRKIVSLGGRPPVL TASRQGVIST
6686	310	927	DSVTFDDLAVDFTPKENTLLOPTQRLNLYRDVMLENYKNLATVGY OLPRPSLISWLEQESRTVQRGDFQASENKVLEKTELALQODV IGREPTSSGQIQMGSHNGGEVSDVKKQGDVSSSESCLKTHVRTQN SENTFFCYLYGVDFLTLEKKTSTGEQSVFHVWKKPSSINPDV VCOENBCTRKKAP*LQITLGSFPH*SIHT
6687	181	915	EAMLEAPYKKEDEQQRKEVKKDYPSNTTSTNSGNBTSKGSST IGETSNRSDRDYRBRNSRSRSPGRQCRHSRSWDRRHSSES SRDHRREDRVHYRSPLATGEFVDNLSPEERDARTVPCMLAAR IRPRDLEDFFSAVGKVRDVIISDRNSRRSGIAYVEPCBIQSV PLAIGLTGORLLGVPIIVQASQAEKNRLAAMANNLQKNGGPMR LYVQSLHFNITEDMLRGLFEPFGKV
6688	1025	1	AEVFNYPVPHKCPDSCWRFKQPIQLQPYLLSFSSSEKPPISF SEPGLP/SATARMATAAAPFNSSIDLPSDSGMGPISPAGDSLD LPSDGGTGFPFSLAGDSSSTELSSLAFTSFLSSVSVGSSAGTTS STSVGSVVAAPTSSSSSTNEDVAGLDFTVITTSVSGSLVPSRE VAVICGSKGAGSGSASCSSRACKTTTATAASMPSTSSPSTC TMSLELEZLFSILSPAPILSKLPTSSGSIATCQDQSGPSDTGRLS VCQLWLADSDTGKLSQGEVVTVGDSGLTCPELSLGRM*MSLL

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6689	640	1299	SSAVIPGYSSSSDSRLNTVPTVDLLCFQTKSST SSASVATSATSISDTAFSCSLKXHGILLALDSSRTS*STSS AKDSTFRICSPSVSDTSSDSSGSKDNVLILFSKVSI*SCFSLSS PFSDSISPCFSSSSPCKR*FVSSKVGQNALLSERLSNGPGSSK QRNSLTARQLAMSL*ATKP*ENACNPNCLSSKESAL*LSLNQRF GGSASRPGNI8PNSQKCSALSYYCNFVIFPREVSVSSENTPAP
6690	1	442	GTRGMAATLGLPGSWOONERCLSRDGSRLMALLLLGSGGQCF QQVGAGQTFEYLKREHSLSKPYQGVGTGSSSLWNLGNAMWMTQ YIRLTPDMQSEQGALWNRVPCPLRDWHLQVHFPIHQGGKKNL\H GDGLAIWYTKDRMQP
6691	287	1401	LKTETSEKARRYEDRPSQLNAVFOQKKNIAQBSITLEDVAV DPTWENQLLGAQKDLRYDWMLENYSNLVAVGYQASKPDALFK LQGEQLWTIEDGIHSGACSDIWKVDHVLRLQSSLSVRRKPC BBHDAPENIVHCSEKQFLGQNHDI FDLRGKSLKSNLTLVNQSK GYEIKNSVEPTGNGDSFLHANHERLHTAIKFPASQKLSITKSP ISPEHQKTRKLEKHEVCSROGKAFIKKSLTDEQVMTGEKPHR CSLCRKAPSRKPMLEHQTHTGKFPYECFECGKAFLEKSRINI HQKTHTGKPYICSBGKGFIOKGLIVHQRIHTGKPYICNEC /GRGFIQKTCLIAHQRFHTER
6692	178	939	WIKGELSLSWERFCANIYKAGPMKHAIFMDGNRRYAKKQV RQEGHSQGFNKLAEFLRWCLNLGILEVTYVAFSIEFRRKSKSEV DGLMDLARQKPSRIMEEKKLQKHGVCIRVLGDLHLPLDLQEL IAQAVQATKYNKCFIVCFAYTSRHEISNAVREMANGVQGLL DPSDISESLDKCLYTRSPHFDILRTSGEVRLSDPFLWQTS SCLVFPQVLMPEYTFWNLFEALIQPMNHSVLQK
6693	178	939	WIKGELSLSWERFCANIYKAGPMKHAIFMDGNRRYAKKQV RQEGHSQGFNKLAEFLRWCLNLGILEVTYVAFSIEFRRKSKSEV DGLMDLARQKPSRIMEEKKLQKHGVCIRVLGDLHLPLDLQEL IAQAVQATKYNKCFIVCFAYTSRHEISNAVREMANGVQGLL DPSDISESLDKCLYTRSPHFDILRTSGEVRLSDPFLWQTS SCLVFPQVLMPEYTFWNLFEALIQPMNHSVLQK
6694	292	813	SLLHLAPFGAYTSPQPLSSVSTETASSVRRQAARSROHEL EVHSLGQILPDGLTARAGPPEAQDPHSGPGLSLPAAHIGFAAA LAVGPSGCHTEP\FDEVWPSLFLGDAYAARDKSLIQLGITHVV NAAAGKPVQVDTGAKFYRGMSLEYGIEADNFFFDLSVYFLP
6695	292	813	SLLHLAPFGAYTSPQPLSSVSTETASSVRRQAARSROHEL EVHSLGQILPDGLTARAGPPEAQDPHSGPGLSLPAAHIGFAAA LAVGPSGCHTEP\FDEVWPSLFLGDAYAARDKSLIQLGITHVV NAAAGKPVQVDTGAKFYRGMSLEYGIEADNFFFDLSVYFLP
6696	1	782	PRVRGRVGERWAFLSVPAAMSSMEPIILLANEYFRERKQFQCAD LCTQMLEKSPYDQAAWILKARALTEMVYIDVIDVDOEGIAENML DENALIAQVFRPGTSLKLPGTNTGPGSQAVRPITQAGRPTTGFL RPSTQSGRPGTMEQAKTRPTATYARPI TSSSGRPFVRLGTASML TSPDGPFINLSRLNLTKYSQKPKLAKALIEVIFHHENDVKRTALD LAALSTERSQYKOWNK/DQIERCYRVGMVREARKQIKSS
6697	3	782	PPLFLRLNLSALRPGSRKVMVVFASLSGQDVGSFAYLTIKDR IPQILTKVIDTLRRHNSFFPEKRGREGVREARKKALSLSKLANE LQTDKPPILVKKFVVDIWNQYLYEQSSLNESDGKSRWFPYSP WLLV\ECTMYRRIHEAI\IQSPPIIDYFDVFKSKQNFYGSQES IALCTHLQQLRTIEDLD\BNQLEDEPFKLLQISLWGBISVDL SL\SGGESSQNTNVLNLSLEDLKPFILNDEMHLWSLSNCK
6698	668	754	VGSCACAGSCCKCKCTCKSECRAPP
6699	325	492	EGRLP/PARRVLPRAMTASAPRGRPGVGVGVVVTSCKHPRCV LLGKRKGSVGVGSPQLPGHLEFGHTWEECAQRETWKAAALHLK BVHFASVVNSPIBKNVHYVTILMKGEVDVHDSEPKNVEPEKN

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6700	1098	1392	ESKRITYNBAPFPQESKNSGGILQ TQCHRSSTFGMRTHFRTPQ/RLECGQGFSGQENGHMDTNECTQ FPFVCPDKEPVCVNTYGSYRCRTNKKCSRGYEPNEDGTACVERT LLGLCNLLGK
6701	2	1485	AAAGPRTVRRAAAPEGQPSPPSGLOPTSDKAAAPRTPKRRRLW RQRQ/HPAHLCTVTRPDVILMEVSEAKANGEDCLNQVCRRLGI IEVDYFGLQFTGSGESLNLHLNRI SQMDGLAFYRLKLEVKF FVEPHLILQBTTRHILFLHIEKALLAGHLLCSPEQAVEL SALLA QTRFGDYNTAKYNYEELCAKELSSATINSIVAKHKEGTSQ ASAFYOVLOIVSAMENYGIENHSVDSBQKLLICVGPBGISIC KDDFSPINRIATPVVQMATQSGKNVYLTVTRESGNSIVLLFKMI STRAASGLYRAITETHAFTRCDTVTSVMMQVSRDLKHLASLF LNENINLGKQVFPDLKRTSEKVVYDHARRALYNAGVVDLVSRRNQ SPSHSPLKSSSESSMNCSSCBGLSCQQTTRVLQKRLKRLKRAMLC VOCEREINSTPCPGHTVCCESCAOQLQVGEAAHFCLPHLSL LLTGSRSQVLAR
6702	397	1971	PLAKFLKLDLVNVLCLPMEDVFLFYETCFCSNGLGSSCHLSLPK RABALLCSRKATVVVDLVAVRMAEQEPTQLCKLPAQPSHPHCV NMTYRSQBSQALLRGLALRDSGLFDVVLVVEGHEHRAHRI L LAASCDYFGKMFAGGLKEMBQSEVLIHGVSYNAMQILHPIYTS ELELSLNVQETLVAACQLQIPRIHFCDFMSWVDEENTLDV YRLAELPDLRLTEQLDTTILNKFVAFSRDTKYRQLPLEKVYSL LSSNRLSEVSCETEVEGALLTHYSLEQVQADQISLHPPKLEET VRPPLMAEVLQRLHDKLPSPLRDTVASALMYHRNESLQPSLQ SPOTELRSDDFQCVVFGGIHSTPS\MSSATRPKYLNPLLGWKH FTASLAPRMSNGI AVLNNFVYLIGSDNNVQGFRAESRCWRYDP RHNRRWFQISLQOEHADLSVCVVGRIYAVAGR DYHNDLNAVER YDPATNSWAVAPLKREYAHAGATLEGKMYITCGRRGRIT
6703	45	1244	GVGPRAAAMPLERLCPGRMVGGQHPCFILAEIGQNHQGDLDVA KRMIRMAKECGADCAKPOSELEFPKFNKALERPYTSKHSWGT YGEHKKHLEFSDQYRELQRYAEVGI PFTASGNDMAVREPLHE LNVPPFFKVGSGDTNMPYLEKTAK/TRGNHSLVLDVCGVQLNDE TSSNDVLGRVRTSEKVLMLVLVDYSGRPVILSSNQSMDTMRQ VYQIVKPLNPNFCPLQCTSAIPLQPEDVRLAVISEYQKLPDIP IGYSGHETGLALSVAALGAKVLERHITLDTYHKGSDHSASLE PGLAELVRSVRLVERALGSPFKQLLPCEMACNEKLGKSVVAKV KIPEGTILTMDLTVKVGEPKGYPPEDIPNLVGGKVLVTVEBDD TIMRE
6704	82	1007	TMNTRNVVNSGLGASPASRPTRDPODFSGRQGLSPVEDQREG LEAAPKGPSRBSVVBAGQRRTSAYTLIAPNINRRNB IQRIABQ LANLEKWKBSQNRKPVHLVPRRLGGSQSETEVRQKQLQIMOSK YKQLERRESVRIKEAEAEALQMKAIQREKSNKLEKRLQ HLRREAPREHQYKTAEP/LQYTHRIARQKCLSKCCLMPTIIN NQQLGLQ\DSLKAEENRKLQKMKDEQHQSLELELKRQQQBQ RAKIHQTHRRVNNAPLDRLQKKSQPGGLEQSGGCNNNSGNSW GI
6705	2	786	RLCRNSARVPCGWSASRSLGEGAGFIGFLGPHPRAGGTGTSPT SYKRGGINSTLAAPYGGKSLITVATGFLGKELMEKLPRTSPD LEVTYILVRPKAGQTLQHRVQILDSKLFKKVIEVRPNVHEKIR AIYADLNQNDFAISKEDMQLLSCTNIIFHCAATVRPDDTLRHA VQLNVTATROLIMASQMPKLEAFIHISTAYSNCNLKHIDEVITY PCPVEPKKIIDSLEW\LDADAIDEITPKLIRDWPNITYTK
6706	130	531	PTHSSSSSQEMLOKLNMLRNDGHFCDITIRVQDKIPRAKRVVL AACSDFFPRTKLVGQARDENKNVLDLHHVTVTGPIPLLEYATYAT LSINTENIIDLAAASYMQMPSVASTCSEPHSSSILMNTFNSQP EK

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6707	2233	1343	YWSOIGYKIQHPENRFPPEKROPSTQERLYESRSRWPCIS* GMVVVGWTAVNGSW*GGQLRCVVCVCTSHSSDSTRSSQBAKCHS FFLLSQ*KT*SSWENWVFAKYSRIYSGHSCSKRGD*DPK*HV SQAR*SRFCGLCPQGHGLOINLEGGSSPMTDKESCVENMLLC NRVPSLLCEGPGHCYQGAVCRECAASPGLDAAEPRLCRH TD*LPK*GGYTIQHPCDSNLCILYNLSFNLFSYSF*GVARYA C*ECHWYFENLLYNHCGDILVACL*RRQL*SSQ
6708	115	1729	TVGSNSRSGRSPVGRQLLLTGGAQAQAGSPQGGMALQVELVPT GEILRVVHPERPCKLALGSDGVVVTMSALTARDVGVQDFVLL ENFTSEAP*ENLRFRFRENLIYTYIGFVLVSNVPRDIQIYSR QHMYRGVSPYEEPPHLLAVADTVYRALXTERDQAVMISVES GAGKTDATKRLQLYAETCPAPQGGAVRDLLQSNPVLRAFGN AKTLRNDNSRFGKVMQVQDFEGAPVGGHILSYLLEESRVVHQ KHGERNFHIFYQLLEGCEETLRLGLERNPQSYLYLVGQCCK VSSINDKSDKVVKALTVIDFTEDVEEDLSIAASVLHGNH FAAKESNAQVITENQLKYLLELLSVEGSTLRBALTRKILAKG RELLSPINLEQAAYARDALAKAVISRTVTHLVGKINSLSKDV ESPNSRSTTVGLLDIYGFVFPQHSPEQFCINYCNELQLFI BLTLESEQBEYBAGIAPWVQYFNKIIICOLVERKFGII/SI LDE/ECLRPGE
6709	3	894	PPHHHLFSGGRRGPPFLVERRGLSPGRMKKGGKKKKGRGAER TAAMKMKVSRKSRKKEEDLBAALAHPTLDAKRTQTVELPCPP PSPRLNASLSVHPKDELILPGGEYFNGKTFPLYNELVYVNIK DTWTKVDI P S P P P R R C A H Q A V V V P Q G G Q L W V P G G E F A S P N G E Q FYHYKDLWVLHLATKWEQVKSTGGPSGRSCHRMVANKRLILF GGPRESTRDIYNDVYAFNLDITNSKLSPSGTGTTPRSGCQ\I PBLPRAASSVYGGYSKQVRVKDVKGTRESDMP
6710	158	980	RHMNTYRVESSEGRARLRALMGPAFTAAIGYIDFGNFATN IQAGASFGYQLMVVVWAMLMNLIQILSALQIATGENLABQI EDHYPRPVVWFYVWQABIAMATDLABFIGRAIGFKLILQVSL QGAULTGIATPLILMLQREGQKFLKVIIGGLLPVAAAYIVELI FSQFNLAQLGKGMVLPSTSEAVFLAAGVL/GATINPHVI/YI WHSSLTQHLRGGSRQRYSATKWDVALAMTIAGPVNLAINATAA SELNFIYHTGVA
6711	3	347	VTECKIYTCENSQLENI*THIDFTLHHYSVKLQHPOTLIHGEFK ELVETDLNHLIMKXENNDQAI*HIMEDLOTNAHQIIFKELIML MAMLTWSYHDNMHDADYQPGQHRPG
6712	118	578	PHGQKRTYFQVRAPGQQPQAQLAMALCKQVFAKDKTFPRPRR FEPGTQRFELYKKAQASLESGLDLSVVRLPPGENIDELAVRV VDFPFRINLIYGTMAERCS*TSCPWAGGPRYETENQDERQYR FALISAPHYMLLMWIESLI
6713	2485	3	QARGSDSEDEPFQIQAEDDARARILGGERPLPTPTTSECTSDVE PDTEMVRAQNKKKKSGGPGQSMGLSYFVPPKGIKMKGYKVTPI QRRTIPVILDGKDVVAMARTGSGRTACPLLPMPERLKTSAQTC ARALILSPTRIALQTLKPTKEIGKFTGLTALILGGDRMEDQF AALHENPDII LATPGRLEVAVEMSLQLQSVHYVVFDEADLPB MGFAEQLOI IARI.PGGHQTVLESATLPELLVEFARAGLTSPVL IRLDVDTKLEQLKTSFFLVREDTKAAVLHLLHNVRPQDQTV VFVATQHBAEYLTBLITQVSCABIYSALDPTARKINLARPTL GECSTLIVTDLAARGLDIPLLDNVINYSPKAGELFLHRVQVVA RAGRSGTAYSLVAPDRIPYLDIHLFLGRSLTLARPLKEPSGVA GVDGMLGRVPOSVVDDEDSGLQSTLEASLELRGLARVADNAQQQ IVSEPPAPSPESI KRAKENDLVGLGLHPLFSSRPERKEELQRLRL VDSIKWYRSRATIFEINASSRDLCSQVMRAKQKDRKALARFOQ CQQGROEQEGPVGPAPSPALQKQPREKEREKAGESEVEDIPS EVVGRKQRSGPNRGAARRRREARQRDQEPYIPYRPRKDFDSERG

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			LSISGEGGAFEQQAAGAVLDIMGDEAQNLTGRQQLKMDRKKRR FVGQSGQDKKKIKTESGRYISSYKRLYQKNQKQKID+S*L GERRGILTRRRPTEEVGEARPLAQAGCIPQPHAPHPLOARSA LELATEQQLKQRRRAQAALSQENWFOALCPQ
6714	169	1416	HNCQELLPPPPAPMAHIPSQGAAPAGAAMPQYCVCKVELSVS GQNLLELDVTSKSDFFCVLPFTENNGRNIETDTETAINMLNPAF SIXKFLVLYHFEVQELKFALEFDQESSMRLEHDFLGQFSCSLG TIVSSKKITRPLILLNDKPAGEGLITTAQRLSDNEVITLSLAG EELDKDLFGESDPFLBPKPGDDGKMLVHTEVVKYTLDPVW KPFVPLVSLCDGDMRKPQVMCYDYINDGGHDFIGEPQTSVSQ MCRARDVPLEFECINPKQKRNKYNKSGIILRSCKINRDYS PLDYLLGGCOLMFTVGIDFTASNGNLPDSSLHYINPMOTNBYL SAINAVGQIIQDYDSKMPFALGFQAQLPDMKVSHEFAINFNP THPPCSGVDGLAQYASCLP
6715	32	493	GPAGAECSLHCLPATVQALAGRAHSPHGGOPPRGGLIGSOMP GKPKHLGVPMGRMVLAVSDGLSSTTGPOQGGREGSSLSIHS PSGPPSPFPTRQDVASWALSFRLLQDPLGLAYPTBFLKKEFS AENVTFFKACRRFQQIPASDT
6716	1	176	GAGGPAFBSFGSEFRAALREDEMSARAAAKSTAMEETAINEQ HTVTLEHVSCLCSK
6717	115	856	LYAMSGFENLNTDFYQTSYSIDDSQSQSYDYGGSGGPYSKYAG YDYSQCGRFVFPDMQPOQPYTGQIYQFTQATPASPQPFYGN FDEPFLERLGINFQHIWQKTLTVLEPLKVDGSIWNETDLAG PMVPCLAFGATLLAGKIQGYVYGISAIGCLGMFCLMLMSMT GVSPGCVASVLGYCLLPMILLSSFAVIFSLQCMVGIILTAGIIG WCSFGASKRIFISALAMBCQQLLVAYPCALYGVFALLSVF
6718	290	599	RQSSTVPGTILPSEWHNSGLCKPPTGGKMTTFKSGLTIFKQVA VIFTEELGLLDVQRNLYQDVMLENFRNLLSVGHFPFKHDFL LEKKEKLDIMKTATO
6719	1	691	PTRPREQDRDGGKCHMEMMPISGNLMCDPIAMSQCSSDHGCBT DLSDDDDKIRFPNFMKDSASQDGLSRKISRKRVCSSDSDSL QVVKSSKARTGLLRITRCAATAANKIKMSDVEDVSLNVT RSENGRKRPLHLACTTARKKLSDCBGSVHCVPSEYACEGKPP DFDSBGSTKVLSQLNGSDSDMLNSRKHRTNIRKIDAPSK RESSSVTSSG
6720	3	822	HEVAREAGGTVPQRTMPGTAKRPHVITPPEPKWELTGYEAA VPITKSNPLTQDLQADAEITVRLLCQCDASIFQREGQALSTY QRLYSESILTTMVQVAGKQVLEKPDGGLVVLSCGGTSGRMAP LMSVSFNQMRGLQKPLTYTLLIAGGDRSVASREGTDSALHG IEELKKVAAGKRVIVIGISVGLSAPFVAGQMDCCMNTAVFLP VLVGFNPFVSMARHPFPPRILRLSLTVFPLRAPHYQITSLFSM SVVTLISE
6721	3	822	HEVAREAGGTVPQRTMPGTAKRPHVITPPEPKWELTGYEAA VPITKSNPLTQDLQADAEITVRLLCQCDASIFQREGQALSTY QRLYSESILTTMVQVAGKQVLEKPDGGLVVLSCGGTSGRMAP LMSVSFNQMRGLQKPLTYTLLIAGGDRSVASREGTDSALHG IEELKKVAAGKRVIVIGISVGLSAPFVAGQMDCCMNTAVFLP VLVGFNPFVSMARHPFPPRILRLSLTVFPLRAPHYQITSLFSM SVVTLISE
6722	1	390	ESNSRRTWQALPMAVLPLLLFLCSTPQAADNMQAITVALGEAVE LPCPSPSTLHGDEHLSNFCSPAAGSFTTLVAQVQVRPAFDPGK PGRSRLRLGNYSNLWEGSKEEDAGRYWCAVLGQHNTQNW
6723	173	659	VQYCTARMADFGISAGQFVAVVWDKSSPVEALEGLVDKIQALT GNEGRVSVENIKQLQSAHKSSFDIILSLVPGSTTLHSBTL AEZARILRPGGCLFLKEPVETAVDRNSKVKITASKLCSALTLSGL

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6724	173	659	VEVKRLQRRPLTPREVQSVREHLGHESDNL VCQYCTARMADFGISAGQFVAVVWDKSSPVRLKGLVDKIQALT GNBGRVSVENIKQLQSAHKBSFPDITLSGLVPGSTTLHSAIL ARIARILRPGGCLFLKEPVETAVDNNSKVYASKLCSALITLSGL VEVKRLQRRPLTPREVQSVREHLGHESDNL
6725	356	722	RRRTFPVILATMDDDLMLALRLQREKMLQAERHHAQBSLSLVD ASWELVDFTPDLOALFVQNDQFPWQLEAVEVKSVMRTLCAG ICSYEGKGGMCSIRLSEPLLEKLEPRKDLVEVFPV
6726	98	714	HLQIMERKINERKKRGYEGKHSLEDTDGKNCSTLMTLNVG GYLIITQKQTLTKYPDTFLEGIVNGKILCPDADGHYFIDRDGL LPRHVIANFLNGLLLPFGFRNQLLAQAEFPQLRGLAEBVKS KWEKEQLTPRSTTFLBITDNHDSQGLRIPCHADPFIKIKERI VLVSKSRLDGFPBPSISSNIIQKYPK
6727	1	831	FRNGDERPHYGKHGTPOKYDPTFKGPTYNRGCTDIYCCVLL LAIVGYVAVOI IAWTHEDPRKVIYPTDSRGEPCGQRTKNNKP YLPYFNIVRCASPLVLLFPQCPTPQICVEKCPDRVLTILNARSS RDPFYKQPCVPGFKNKGVAVELRDGDCPAVLI PSKFLARRCF PAIHAYHGVLMVGNETTYEDGHSRKNITDLVEGAKKANGVLEA RQLAMRIFEDYTVSWYWDIISLGIAMMSLLPIILRLPLAGIMG RGMIMGLVLGY
6728	486	935	FCSSWLRSLANSSLSWKMFLVGLTGGIASGKSSVIVQVQQLGCA VIDVDVMAEHVQPGYPAHRRIVEVPGTEVLENGDINRKVLGD LIFNQPDRRQLINATHPRIKEMMKETPKYFLABPRTSPROKK HVPSALKRADSIMRDT
6729	259	1191	VGLTGAQSGRTASMGDQRAVACPALERNLLIGTVTVGFLAQSV LAGVKKFDVPCGGRCDSGGCQCYPERKGRGQPGFVGPQGYNGPP GLQGFPGLOGRKGDKGERGAPGVTPGKIDVGARGVSGFPADGI PGHFGQGGPRGRPOYDGCNGTQGDSPGQPGSGEFTGPPGPGQ PFGQKGBPYALPKERRDRYRGEFGEPGLVGFPGPPGRPGHVQM GPGVAGPRPGPPGPGPGKQOCARGLGPGYVKEKEDVQPGPN GIPSDTLHPILAPTGVTFHPDQYEGEKGSEGEPOIRGISLRGER GIM
6730	784	1015	NMVDYTEVLGLQRYASFEDIKKAYHVALQHPDKNPENKREAR RKPKVAAEYFVLSNDEKRDIVDEKGTGELNEF
6731	1	446	GIRKRLHGAUVPEVEVGCPTWETRESEGVHLRPTSPILKNDEGS LDITYAGLDSAVSDSASRSCVPSRNCIDLYRILTBEGTAERATY NDLQVEYKQCLQMKELMKKPKBIQTQNFSLINRQSLKRNISA LTKARVEINRDEET
6732	102	1205	GENQRRFPFPFPLWCLQPGGSDPQOLTQLRHCLSHSPQDTFW AQRQVCYTAATTOAAAPATRNCLPDRSGHPTPPRSHRHROEN LGSILPSSRSSTKATSTTMAGDGRRRAVREGWVYVTPRAPIRE GEGRLAPQNGGSSDAPAYRTPPSRQRRRVRFSDPEPVYGDPE PLVAKERSPVGKRTLEPRSDSAKEVRESAYTLRSRROROPR PQTEKMKTRRTTLQQHSEQPFQPPVMTRRGLRDSHSSSE DEASSQDLSQTISEKTVERIQEAPAVSEDLVIRLERPPLRYPR YRATSVQKVNPFSEGETERDDQSSHSSVTVKARSRDSDESG DKTTRSSSQYIESFW
6733	613	1311	ESCRVGMRSRNQGGESASDGHISCPKPSIIGNAGEKSLSEDAK KKKSNRKEDDVMAAGTVKRHLKTSGECHRTKRSLELSKEDLI QLLSIMEGLQAREDVIMLKTETKPEVLEAHYGSAPKRVLR VLHRDAILAQEKSIGEDVTEKPISELDRLEEKQKETYREMLEQL LLAEKCHRRTVYLENEKHKHTDYMNKSDDFTNLEQERERLKK LLEQEKAYQARKE
6734	189	551	SAMFPVPSGCPQLQEKNSLRLVSPREVAHFVWENQDLDD AQRTRYDVMLETYSSLSLGHCTTPENIFVLEQGAEPWIVBE

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6735	280	558	TLNLRLSGGSKKQVPSGICHRSLVLEQEVHLV ESRRAGVTEKSNPFLKQVFNKDETPRPRKFPBGTQRPFLHKKA QASLNAGLDLRLAVQLPPGEDLDWVAVRVVDFFNRVNLVGTI XDGCT
6736	195	808	MYELNPKREMPNIESLGLTNLNFLLKRLSSVLPLITDYVYFEN SSSNFYLTIRIERKNTASQNVKAVVCFYRRRDISFTLMLAD KHAKELKESESTTVADLTDRQHQLKRELFLSRQYSLPATH IRGKCSVALLNRTESVLSYLDKEDTFYSLVYDPSLKTLLADKG EIRVGPRYQADIPFMLEGTFFCFVAUL
6737	150	1209	PVIMPLHFS PGDIVRPSCCVSSPKLRMAHSRLSRYRPTDLS REDTGCVLQHSDEENIDDLNMFNPEDEPRASTIFLSKSQTDV REKRSLFINHHPGQIARKYSSCSTIFLDDSTVSQFNLKYYIK CVLAITYYHINRDPDGRMLDIFDENLHPLSKSEVPPDYDKHN FEQEQIYRFVRLTFSAAQLTARCAIVTLVTLERLLTYARIDICP ANWKRIVLGAILLASXVWDDQAVWNVVDYQILKIDITVEDMNELE RQFLRLQPNINVPSSVYAKYYPDLRLSARANLSFFLEPLSR RAHLELAISRLCEKYDLRRSARKRSASADNLTFRNSPAILIS
6738	148	653	CACAEQPARAEVGAATALPVRNAGSGMAPSGSLAVPLAVLVLL WGAPWTHGRRENVRVITDENNRLLLEGWMIIFYAPWCPACQNL QPEWESFARWGEDLVNIKAVDVTEQPGLSGRFXTALPTIYHC EDGEFRYQCPRTKDFINFLSKBWKESIEPVSSNF
6739	3	631	SWPDMAREEVAKLEKHLMLRQEVYVKLQKKLAETKRCALLAQ ANKSSSESFISRLLAIVADLYBQEQYSDLKI KVGDRHISAHP VLAARSDSWLANLSSYKELDLSANPEVMTMLRWIYTDELEP REDDVFLTRIMKLANRPQLQLLRRCCKGVMSLVNVNRCIRPYQ TARELNASTLMNYCARIASHNVSEVGVNKA
6740	3	631	SWPDMAREEVAKLEKHLMLRQEVYVKLQKKLAETKRCALLAQ ANKSSSESFISRLLAIVADLYBQEQYSDLKI KVGDRHISAHP VLAARSDSWLANLSSYKELDLSANPEVMTMLRWIYTDELEP REDDVFLTRIMKLANRPQLQLLRRCCKGVMSLVNVNRCIRPYQ TARELNASTLMNYCARIASHNVSEVGVNKA
6741	141	960	PLTLPPSSRARAGHTMNTSPGTVGSDPVLATAGYDHTVRFWQA HSGICTRTVQHQDSQVNALEVT PDRSMIAAAVQPVSLGYQHIRM YDLNSNNPNIISYDGVNKNIASVGFHEDGRNMYTGEDCTARI NDLESRLQCORIFQVNAIPINCVCLBPNOAKLIVGDQSGAIIHW DLKTDHNEQLIPEPEVSITSAHIDPDASTMAAVNSTLVPPSCLL PLAIGILQEGEFESLARRGLLFLACQGCYVWNL TGGIGDEVTO LIPKTKIP
6742	141	960	PLTLPPSSRARAGHTMNTSPGTVGSDPVLATAGYDHTVRFWQA HSGICTRTVQHQDSQVNALEVT PDRSMIAAAVQPVSLGYQHIRM YDLNSNNPNIISYDGVNKNIASVGFHEDGRNMYTGEDCTARI NDLESRLQCORIFQVNAIPINCVCLBPNOAKLIVGDQSGAIIHW DLKTDHNEQLIPEPEVSITSAHIDPDASTMAAVNSTLVPPSCLL PLAIGILQEGEFESLARRGLLFLACQGCYVWNL TGGIGDEVTO LIPKTKIP
6743	1	412	MHSTQDKSLHLEGDPNPSPAAPTSTCAPRMKPRISISKQLASVK ALRECSDLKAIATTALI FRNSDSGDKLEKAIKDLIQTQFRN FABGQETKPKYRILSELDEHTENKLDPEDFMILLISITVMSDL LQNR
6744	95	1343	ETPARNCACCEVLRFSSPNKASSPALQSGGGLPAVRALRRD RQKVSTVGYGMDVEBQDQHEARLKELPDSFDITGTGSLQBELT DLCHMLSLSEVAPVLQOTLLQDNLLGVRHFDQFREALILILSRT LSNEEFQZPOCSLEAQPKYVRGGKRYGRSLFPQESVEBFP VTVIRPLDEARPSHIPAGDCSEHWKTORSEYRAEGQLRFWNP DDLNASQSGSSPPQDMIERKLEQVCEDLGITRDGHLNRKGLVSI

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			CEQYGLQNVQGMLEKVFENLDPDGTMSVDFPYGLPKNGKSLT PSASTPYRQLARHLSMQSPDESGRRTTSSAMTSTIGFVPSCL DDGMGHASVERILDWQEGEISQRILKALDFGLDGNINLTSL TLALENELLVTRNSIHQACI
6745	1	588	TFRDQGNARRRMILGCASWESNEAALAGPGLPSSSTARQONNP AAGTECPAAVKARGTAMGSLVSTDSGKSAPASATARALERRRDP ELPVTSFDCAVCLEVLHQFVTRTQGEVFCRSCIATSLKNNKWT PYCRAYLPSEGVPTATVAKEMSEYKNCACDITLVCLSEMRHI RTCKYIDKYGFLQELBETA
6746	110	492	GATGAMAESAPARHRRKRSTPLTSSSTLPQATRESSYPQTTEI SLNTVVAALQAVEKKMESQARLQSLBGRGTARERLADCEKMA VEFGNQLBGRKAVILGTLTLLQBYGLLQRRLENVENLLEWRN
6747	247	484	BAVTPRDVAVVFTHEELGLDLAQKLYRDVMLENFRNLLSVGH QPFPRDTFPLREEKFWMDLATORBEGNSVYAGVC
6748	201	665	MTTFKEAVTFADVAVVFTERRIGLLDPAQRKLYRDVMLENFRNL LSVGNQPFHQDTFPLGKEKFWKMTTSQREGNSSGGKIQIEMET VPEAGPHEEWSQQINBQIASDLTRQNSIRNSSQFPKEGDVPC QIEARLSISXVQQXPYRCNECKQ
6749	95	719	RRRVKGGDGVCPFRAGSPQSQQFPSCAGGGEGLLQSSGEALDGM SAGOPCPAAGGGPGGASCSVAGPGGVSMYRNLVLEKEFDEKAF VDVLLLGEIDPDQADITYEGRQKMTSLSSCPAQLCHKAQSVSQ INHKLEAQLVDLKSLLTETQARKVVLKEKVEDQLQLHSIQQLQ HAKTGQSADSCTTAKLSGSPSVELERELIAN
6750	3	428	SCESRRPGAKVWASGALPRDTTGLGSEQPSGDVAQSNRATMGT TAPGPIHLLLECDQKMEFLCNMDNKLVLLEETQEEARMEPTR EFSKEPELMPATPSQKNERKKRRI SYVDENRDPIRRRLSRKRS RSSQLSSER
6751	152	1417	PTKATEMAGASVKVAVRVPFNSREMSRDSKCIQMSGSTTTIV NPKQPKETPXSFPDYSYNSHTSPEDINYASQKQVYRDIGEML QHAPEGYNVCI FAYGQTCAGKSYTMMGKQKQDQGGIIPQLCEDL FSRINDITNDNMSYEVEVSYMEITYCERVROLLNPONKGBLVRRE HPLLGPYVEDLSKLAVTSYNDIQDLMDSGNKARTVAATNMNETS SRSHAVFNIIPTRKHDAETNITTEKVSILSLVDLAGSERADST GANGTLKKBQANINKSLTTLGRVISALAEKMSQPNKKNKQOCTD PIPYRDSVLTWLLRENLCGNSRTAMVAALSPADINYDTLSTLR YADRAEQIRCNVINEDPNNKLIRELKDEVTLRDLLYAQGLEL ITDNTALVGMSPSSSLSALSSERN
6752	24	1834	RNCVPPFGCYRSRVKPHSDIKQYSEHCEHLLERLNKQREAGFL CDCTIVIGEPQFAHRNVLASPSBYFGATYRSTSENNVFLDQSQ VKADGPFQKLLFTITGTLNLDNMVKEIHQAADYLVKEEVVTKC KTEMEDPAFTANPSSSTBISSTIGNIELNQTCILLTLDYNNREK SEVSTDLIQANPQKQALAEKSSQTEKKKAFNSPATGQNKTVQY PSDILENASVELFLDANKLPTPVVBOVAQINDNSELELTSVVEN TFPAQDIHTVTVKKRKGKSPNCALKEHSMNIAVSRSFYBAAE NSGEHLQRYSKAKPMQNTCGKVPSEASSLRHRMIRHGVKPYV CHLOGKAPTQCQLKTHVTRHTGKPYKCELCDEGFAQKQDLVF HSMHHEGKPKYKCDVNCQLPATSSNLKIARKHSGGKPYVCDR CGQRFQAQSTLTYYVRRHTGKPYVCDTCGKAPVSSSLITHSR KHTGKPPFICELCGNSYTDIKNLKHKTKVHSGADKTLDSAEED HTLSBQDSIQKSPLESMVVKPSDNTLPLALEFLGTEDHHMLLPV HTDQSPSTDTLLRSTVNGYSEPOLIFLQOLY
6753	2	1305	VPSPLPYPPQKVVAHTEFTSSDSBTANGIAKPDPMVPGGEBKAS PFGIKLRRNTYSLRFNCQQAQKQKRRSSTGDSADAGPPAAG SARGKEKEGVALKEGSPSLPQERKQAPSTRDSABPSSSRSPV AHPGPPPASSQTAPREHDKAAMTFLAQKPLAPKPTSTQTPPAS

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			PLSKLSRPVYLVELLSRRAGRPDPFEPSEPSKEDQSSDRPPSPFP GPEERRGQKRODEERATERKPASPPLPATQQRKPSQTPKGRKE KPMLOSRHSIDGSKLTEKVETAQPLMTLLALQKQKGPBQOATR EERKQARRAKQAEKLSKENVSVSVQPGSSSVSRAGSLHKSTALP EKKRPETAVSELRERQLEKANTLPTSVTVLSYSSPAAPLVKE VSEKPFSPDDAPVSSPAWLAALAKREKAKWSDCPLTIK
6754	2	413	FVRRRRRLGGPEVWTHSSLSKSR IADFDVLRKPSIALEKRE LSPSGIPCGLRCLCWKILLNYLPLERASWTSILAKQRELYAQ FLREMIIPGLAKAMGVSREDVTFEDHPLNPNPDSRWNTYFKD NEVLL
6755	298	1343	PGLQLQVALEADWFLDMFGRRGPPSRQQLSRSALPSIATLVGGG CGNGTGLRNRNGSAIGLFPVPPITATITPGFVRECOITPDLVVDGS LLPEPLFFIYLLVALPIQYINITYKTVMWYFYNBPASCTSLNPHL IDYHLAAPTVMARLLVNALISEATKAGAASMIHYMVLISARL VLLTLCGWVLCWTLVNLFRSHSVLNLPLGYPFGVYVPLCCFRO DSRAHLLLLDYNYVQHEAVERSSASTVGGAKSKDFLSLLLESIL KEQPNNATPIPTHSCPLSPDLARNEVECLKADFNHRIKEVLFS LFSATYVAFLPLCFVKSQVLYLFWCFLDLGVYINNVPLV
6756	180	754	YERALGSLPLSIYVSWGSLATLKYQQQLRPVLLCQTRVQCHD LRSLQPPGGLKQSPCLRVGLQTGATTGRLDLTKRLIILTE REAQKRRKRRKESGMALTOGPIITPRDVAIEFSQREWSLDPVO KALYWDVMLENYRNVLPLGKONFALEVKICPRVFLYPLCCLSWE PPHYLTETBALLTHK
6757	2	459	NSRVRAPEARSRESQSSDAMRKHLSSWNLATVCMLLFSHLSAVQ TRGIKRIKNNRKALPSTAQITEAQVAENRPGAFIKQGRKLDID FGARBNRYEANYWQPDGIHYNGCSEANVTKEAFVTGCINATQ AANQGRFQKPDNKLHQQVLW
6758	1	1008	ASGPPLPGRFRDRAPWLPARLLRGVLAUVVSLSALPGSPCRR RVPSLAQLGHSRAAPSPDDVNRVDFRCPEERDRANPPPPPS LPSPFRNMANNSPALTGNSQPHQAAAAAQOQOCCGGGATK PAVSGKQGNVLPWGNKMTANLNPMLLTNLSSTPYKQVLYELK TYHEVVDEIYFKVTHVEPWEKGRKTAGQTGMCGGVRGVGTGGI VSTAFCLLYKLPLTLKLTTRQVMSLITHTDSPIYRALGPMYIRYT QPPTDLWDWPFESFLDDEEDLVKAGGCVMTIGENLRBFLTKLE WPSLTPPRIIPVPQKNIDQIKTRPKI
6759	1	513	RKHNFHSLDGTSTRAFPHTGLFLLSSPVPQRKTQSGCFDLDSS LLHLKSPSSSRSPRCLNTEDDPDTHKPFLLSSAPPTLSLLIG NFEESVLNTRFDPLGIVDGFIAEVGASGAFCTHLLTPVEVSFY SVSDONAPSPYMGVITLESIGKGRVPPSGTIQVVCVL
6760	239	606	VLSKKRGLSABEKRTDMEIFSBTKDVYQMDLEKIAPKRGIT AMSVKEVLQSLVDDGMVDCERIGTSNYTWAPPSKALHARKEKLE VLESQLSGSGQKASLQKSIIEAKIGRCFTEERT
6761	29	1733	ERTLEGIREVAAPS DVADAAVSRGRCCCLHCTQTQVAQDCPS SSSSVQRCHLSLFQSLHTMTSEKLVNSVAGCADDALAGLVACNP NLQLLQGRVVALRSDLSLGRVALLSGGSGCHEPAHAGFIGKG MLTGVLAGAVFTSPAVGSIIAAIRAVAQAGTVGTLIVKNYTG RLHFGGLAREQARAEGIPVEMVIGDDSAFTVLEKAGREGLCGT LIEKVAGALAEAGVGLERIAKQVNVVTRAMTGLVSLSSCSVPG SKPTPELSADEVELGLSIRGEAGVRRIRKATADSVIKMLDHMT NTINASHVPVQGSVVMVNNLGLSFLGLIADATVRSLEG RGVKIARALVGTFSALMPGISLTLLLVDEPLLKLTDAETAA AHFNVAAVSITGRKRSRVAPARPQRAFDSTAAGGSASRMALVL ERVCTSLGLERHNLALDRAAGDCGPTHSRAARAIQEWLKEG PPPASPAQLLSKLSVLLLEKMGSSGALYGLPLTAAQPLKAKT SLFAMSAMDAGLEAMQYKGAAPGDETMDSLNAAGGEL

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6762	3	613	ASTISWRLCVAGAEARRFPVPVAGERAGGGAHWPMYLLSWLSLFI QVAFITLAVAAGLYYLARLIRBYTVATSRIKYMIFSTAVLIG LYVFERPFTSMIGVGLFTNLVYFELLQTFPPIMLTSPNFIILSG LVVVHXLAFQFFAREYFPSEVLAYFTFCLWIIIPAFVVSLSA GENVLPTMQPGODVVSHPYFKGRGK
6763	2	760	SGDPDFGRRPFGCCVRPPAGAGMELGGHDMNSAPRLVSETAE RQEQKGTGTEABAADSGAVGARFPFLCLYIGGFLDLFGVSMVVP LLSLHVKSLGASPTVAGIVGSSYILQLPSTLVGCHSDVVGRR SSLLACTLLSALGYLLGAATNVFLFVLARVPAGIFHTLSISR ALLSDVVPKKERPLVIGFNTASGVGFTLGPVVGCTI.TELEDGF YLTAFCPLVFIINAGLVWPPFRRKAPGSTE
6764	80	438	LKEMDTMHLVSRNLFPQLVRRVEILSEGNEVQFIQLAKDPEDFR KKWQRTDHLRGKYKOLLMAESTERSALOVKLRHARNOVDVRIER RQRABADCKELERQIQLDREMLMCDTSGSIQ
6765	3	550	ARYSRVDHFCRRCRAVARAFPTLLQPPSGPSRHFLAACVARNL RGSVLVSRALSGSAMDGIVTEVAVGVKRGSDLLSGSVLSSPNS NMSSMVVTANGDSKKPKGRDKMGAPSRVLRKXLPGEVTEB VIALGLPFGVNTNILEGKQQAFLATEAAITNGNYSAVT PHLRNQ
6766	1	1287	EGGSPKASLTWMLPLGEMNLHCEVEVISRHLPALGLNRGKQVR AVLSLCOQTSSQPPVRAFLISTLKDKRGTRYELRENIQFFT KFVDEGKATVLRKPPVDICLSKANSSSLKGLSAMRLAHRGN VDTPVSTLTVPKTSSEFPPFKRMVITSKKDPLSKNFFPSLEHL QTSYCGLVVRVDMRMLCKESLRKLDLSBNHKKLPATIGDLIHLQ ELNLNDNHLESFVALCHSTLQKSLSLDLSENKIKALPVQFCQ LQKLEHLKLDNHLIQFPCKIGQLINLRPLSAARNKLPPLPSBP RHLSELYLDLFGNTFPQPKVLPTKQLAPLTLLESSARTILHNR IPYGSIIIPFELCQDLDTAKICVCGRFCLASFIOGTTMNLHSV ABTVVLVDNLGGTEAPIISYFCSLQCFVNSDI
6767	336	919	AFMICLSSDLQPRYKBAFLDRGLQIGYCSVDDDPKMHFLNV GRLQSDNRYKKDFAKSRSPHSSSTDPGLLQAKRSQQLASDVHY RQPLPQPTCDPQLGLRBAQZAHQLQSDVRYKSDNLNLRGVGWT PPGSYKVMABRAARLANARGLGLQGAIRGAEAVENGHQSGEV NPDATRELVKRRKALL
6768	2	363	FGSTISCYLLSEGBLPLCMQVACGBBKRAPTMKTLARFKKTE LRLSPTDLGSCPPCPGCPPIPKPAARGRRQSDWGEDERLLQAV ENNDAPRVAALIAKGLVPTKLDPEBKSAFHL
6769	284	396	MSTPDFSTARNQELANEVSCLEKAMLTMLQAMQAD
6770	1	397	QRNYQVINSSTNAKLHDYDEEVVKLWTEFNYSVMQVFRVEK ITLNMGVGEALADKKLLDAAAADLAISGQKPLITKARKSVAGP KIRQGYPIGCKVTLRGERMWEFFERLITIAVPRIRDFRGLSAS
6771	3	378	APAGTLAMTGKSVEDVDYQAVLANLLLEDNKFCADQCSKGR NASNIGVPCICRCAGIHEMLGVHLSRVKSVNLDQWQBQIQCM QEMGNGKANRLYAYLPETFRPQIDPYLFWSNLEG
6772	1	1400	AAAFLOGMTUNGFINTVITSL\ERRVDLHSYQSGLLASSYDIAA CLCLTFVSYFGSG\HKPRWLGNR\VLMTGSLVFPALPHPTAG P*GWKLDAGVRTCANPR\PVCAG\BTSGLSRYQLVFMILGQFL HGVGATPLYTLGVTYLDEWVKSSCSPITIALFYTAAILGPARGY LIGGALLNIYTEGRTELTTESPLWGVAVWGFLQSGAAAFET AVPILGYPROLPGSQRYAVMRAEMHQLKDSRGEASNPDGKT IRDPLSINLLKNPTFILLCLAGATEATLITGMSTFSPKFLES QFSLASAEANTLFGYLVVPAGGGGTFLCGFFUNKLRGSAVIK PCLFCTVVSLLGLVPSLRCPSVMAGVTASYGSSLPECHLAL TAPCNAACSCQPHYSFVCGSDGLWYFSLCHAGCPAATETNVBG QKVYRDCSCIPQNLSSGFGHATAGCTST

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6773	1	630	PWEAPKREHYKAREHTVVLTVTGEPCHPFFQYHRQLYHKCTHKG RPGPQPHCATTPNPDQDRNGYCLEPRKVIDHCSKHSPOKGGT CVNMPSPGPHCLCPQHLTGHHQKCKCFEPQLLRFFHNEIHWRT EQAAVARCQCKGPDHACQRLASQACRYNPLHGGRCLEVEGHRIL CBPVGVTGPFCDVGE*GGASREPPAPRNDGLAR
6774	146	389	LTSLSDQQTFLPFIIS/WVPTFLSMVDGSRVLEKADSFSKTISS GLRIGFLTGPKLIERTVILEIQVSTLHPSTPNOLMISQ
6775	104	614	TCPSQLRVLTFARGGRAPSPQLMTLVLALIERKNHSHRIKMN GRPETMRMLDALYTI PQGEVAMVTDYGAFTIKPGCRQGLVHRT EMSSCRVDKPSRIVDVGDKVWVLIGREMENDRIKVSLSMKVVN QGTGKDLDFNNV\LSKRRGGGDPSTRITLGRSPRLIS
6776	3	1108	HERHERHEGALSQDALLRISIPLOSMMRPRKCRFVHPONQLLH LNGTFPNTSDAMHPCVDGAVYDRISFSSSTIVTENDLYCDSQSL TSVAKFVFMAGMVGGLGCHLSDRFGRFPVLNRYLQVAIVGT CAALAPTFLIYCSLRPLSGIAAMSLITNTIMLIAEWATERPOAM GITLGMCPSGIAPMTLAGLAFARDWHILQLVWSVPFVIFLTS SWLLESARWLI INNKPEEGLEKRLKAHRSQMKWARTLTLEIL KSTMCKLEAAQKKKPFILGRLEMPNICKRISLLPFTEFANFMA YFGLNLHG/LEHLGNVFLQTLFGAV/TTPGQLVLHLHGSG EVSSRGVNLCLGLFVLQVW
6777	779	63	CFPHGPAWRDCVRATFAKKQGGQSGIISCIAPSPAQPLACGSY GESLGLYAWDDGSPALLGGHQGGITHLCTHPDGNRFPFGARKD AELLCDWDLRQSGYPLNSLGRVTTNQRIFYDLDPGQFLVSGST SCAVSVWDTDGKNDGKPEFVLSFLPOKDCINGVSLRPSLPLG HCLPVSVCLSPTEGGRRRGAGPSLGSRRRHVHLECRQLQWNC GGGARLQHP**SPRARKGR
6778	311	805	IQSITDESRSISIRKRNPNTRLINVP\BETAGDSB/ERSPERB VQADPRIRASAPKCPSTSSPFFKGRSPEGEGET\DPKVKVPHCP KDKSVAKN\KGP\SPVSSGIIKDFPSNKPENLNQSVVRMH T\AVRLNEVIVKSRDAKLVLNMPGPPHNRNGDNY
6779	2	535	RALRRQPRLLAANGIBPESMAISEPIKGRKPCVNKRILALKRP MAXCANKGPREPPQDARAEASFGGASESDQGGHESPPKKAV AWVSARKNPAPNRKKKVSIGPVSYVLVDSDEGRKCPVMPKKGPG SRREASDQKAPRGQQAETASTSRGPKAKPGSPRRATNBSRK V
6780	3	403	HEVNDNKPENINLMSPGKEEISYIPEGDPIDTFVALVEVDKD SGLNGEIVCKLHGHEHFKLQTYEENYILTNATLOREERSEYS LTVIAEDRGTPSLSTVKEFTVQINDINPNPPHQRSTYEFVISE K
6781	1	1269	APTRFVFPFTLQDLSSSKRPSNBNLPHSNELCSSLVHFPILSEVS SNVAPSIPPVMSRPVSSSSISTPLFPNQITVFTVSTNPITTSANT SALPPTHLSALMSTVVTMPNAGSKVMVSEGGSAQSHARPQFI TPVFINSSSIQVMGCSQPSTIPAPLITNSGLMPPSVAVVGPL HIPONIKPSSAFVPPNALSSSPAPNIQTGRPLVLSRRATPVQLP SPPCTSSPVVPSHPPVQVKELNFEASPOVNTSADQNTLPSSQ STIMVSPLLTNSPGSGNRSPVSSSKGRKVDKIGQILLTEAC KRVTSLSLKGEEQYAGDGETEGGLTTAPGLMGTEQLSTELDS KTEPTPAPTILLEMTSSFPVGTASAGPSLPGGALPTSRSIVTT LVPESELISAVPTTKSNHGGIASRSLAG
6782	3	1327	RKPTVIRIPAKPFCLEHEDPQSPFPLPAKPIGNTFSTVSGKLS NVERTRNLESNHPQGTGGFVAVPPLPPEPVNGKTIPTQQPPTK VPPERPPPPILSATRRSNKKLPNRSSSDMDLQKKQSNLATGLS KAKSQVFKNDPVLPRPKPGHPLYSKMYLSPVHGIANEDIVSQ NPGELSCKRGDVLVMLKQTENNYLECQKGEOTGRVHLSQMLIT PLDHLRSRPNPSPPKAPSHAQKPVDSGAPHAVVLHDPFABQV

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			DDIALTSGEIVYLEKIDTWYRGNCRNQIGIFPANYVKVIIDY PEGGNGKRECVSSHCVKGSECVARFEYIGQKDELSFSGEII LKEYVNEEWARGEVGRGTGIFPLNFPVPEVDYPTSGANVLSTKV PLKTKKEDSGSNSQVNSLPBWCEALHSPTAETSDDLSFKRGDR I
6783	3	1750	SYHHHHAQQSAAASPNLTASQKTVTTTSMITTKTLPLVLEAATA TMPASVVGQRPTIAMVTAINSQKAVLSTDVNTFPVNLQTSKVT GPGAEAVQIVAKNTVILQVQATPPQPIKVPQFIPPPRLTPRPH LPQVRPKPVQNNIPIAPAPPMLAAPQIQRPMVLTQPTFTTL PTSONS IHPVRVVGQIATIAKTFPMAQLTSIVLATPGTRLAGP QTVQLSKPSLEKQTVKSHETDERQTESRTITPPAAPKPKREERN PQKLAPMVSLGLVTHDLEELQSKRQERKRTTANPVYSQAVPE PERKKAQVITYLASTMHGPTKRGRRPPKYNVLOFGALTPTSQS SHPDSENEKRTETTTTPAPVQPVSLPSTSDGDIHEDFCSVC RKSGQLIMCDTCSRVIHLDCLOPPLKTIKGMNIPCRCQDMLK KEBAIFWPGTLAIVHSYLAIAAKEEEKQKLLKWSDDLKQEREQ LEQKVQLSNSISKMEMENTILARQKEMHSSLEKVKQLIRLIH GIDLKPVDSRATVGAISNGPDCTPPANAATSTPAPSPSSQSCT ANCNQGESTK
6784	3	1750	SYHHHHAQQSAAASPNLTASQKTVTTTSMITTKTLPLVLEAATA TMPASVVGQRPTIAMVTAINSQKAVLSTDVNTFPVNLQTSKVT GPGAEAVQIVAKNTVILQVQATPPQPIKVPQFIPPPRLTPRPH LPQVRPKPVQNNIPIAPAPPMLAAPQIQRPMVLTQPTFTTL PTSONS IHPVRVVGQIATIAKTFPMAQLTSIVLATPGTRLAGP QTVQLSKPSLEKQTVKSHETDERQTESRTITPPAAPKPKREERN PQKLAPMVSLGLVTHDLEELQSKRQERKRTTANPVYSQAVPE PERKKAQVITYLASTMHGPTKRGRRPPKYNVLOFGALTPTSQS SHPDSENEKRTETTTTPAPVQPVSLPSTSDGDIHEDFCSVC RKSGQLIMCDTCSRVIHLDCLOPPLKTIKGMNIPCRCQDMLK KEBAIFWPGTLAIVHSYLAIAAKEEEKQKLLKWSDDLKQEREQ LEQKVQLSNSISKMEMENTILARQKEMHSSLEKVKQLIRLIH GIDLKPVDSRATVGAISNGPDCTPPANAATSTPAPSPSSQSCT ANCNQGESTK
6785	1	528	LGNTVLHYCSMYSKPECLKLLLRKPTVDIVNQAQGTALDIAR LEATQCEDLSSQAKGKFNPHVHVBYEWLQREIDESDDLDLD KPSFVKERSPEPQSPCHSSSLSPODLALPGFSTPRDKQLSY GAFTQIFVSTSTDSPTSPTEAPPLPPEHAGKPTGPPITPHR
6786	1820	1397	RSPKVLVLAPTRELANHVSRDFKDI\TRKLTARFYGGTSYQSQ INHIRENGIDILVGTGRIKHLQSGRLDLSKLHVVLDEVDMIL DLGFABQVEDIIRHSYKTDSEDNQITLFSATCPQWVYTVA\RK YMKRYEQVDLDGKMTQKAATTVEHLAIQCHWSQRPVAVIGDLQ VYSGSRGRIIPCEKKNVTENAMPHIKONAOCLRGDIASQR EITLKGFPREGSPKVLVATNVAARGLDIPEVDLVIQSSPPQDVR YIHRSGRTGRAGRTGICICFYTPREBGLRYVBQKAGITFERVG VPSTMOLVKSMSDAIRSLASVYAADVFRPSAORLIERKGA DALAAALAHISGASSFPRSLITSDKGFVTMTLESLERIQDVSC AWKELNRKLSSNAVSIITRCLLKGMVCFDVPTESERLQAE WHDSMWILSVPAKLPETEEYDGMTSSNSRQSGWSSGRSGSG RSGGRSGGRSGRQSGSGSRQDGRRESGNRRNSRSGGHKRS FD*VFYHLWDFLSDPLVDSVYLGRQIDHLATGLTGLIDHLTSBS SVNN
6787	2646	2270	PSSPPKRVPLEELRPPK*KRSGLSLTPKSIQNGP*PQITFF FRLGSPSGVLSAHCNLLRSGSDSPAPASRVAGIIGTCHBWL LVFLVNGPFFHVCQAGLKLTL\VIHPFPKPVLSLQT
6788	16	936	GGTVDLR\DMIAVSVLAAVRGR/ATVREVRSENVLEKSKGRT RBOARDKMTSGDVLNRMFYLLKTAFPSVQINTERHVD\ELDQ

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			EVILNGS*DS*GYPRGK*LLPKRVFSE/RVLLSGLTPIIDATQE\PTEDLSK\YVTTMVCVAVEGKPMGLGVIRKPPSEYTAAMVDGGSNVRARSSYNKTPRIIVSRSSSCMVQVQLQTPGNQFTIIPAGGAGYKVLALLDVPDKSQBKADLYIHVTYIKKMDICAGNAILKALGEMTTLSGERRISTTCGEGGLASIRNMQALVRKLPDLKTKGHR
6789	2	678	GNGLNVLKIAPESAIKPMAYBQIKRLVW**PGDS*GF/YERLVA GSLAGAIQSSITYPHEVLETERMALEKTCQYSGMLDCARRILARE GVAAFTKGVVPRMLGIIPYAGIDLAIVETLKNANLQHYAVNSAD PGVFPVLLACGDSSTCGQLASTPLALVETRMQAQASLEGAPVET MSSLPKHILRTGCAFLYRGLAFNFMKVIPAVSISTVYVENLKI TLGVQSR
6790	2	4068	APPFGERRRMAAPRAGGHAALLLNTVSSCLCRAWTAPSTSQKCD EPLVSGPLPHVAFSSSSSISSGSPGYAKINRGGAGGWSPESSD HYQWLQVDFGNRQKISALATQGRYSSSDWVTQYBLYSDTGRNW KPYHQDGNIAWAPGNINSOGVVHEHQPIIARYVRIVFLDWNQ EGRIGLRIEVYGCYNADVINFDGHVLPYRFRNKKMKTLKQVI ALNFKTSESEGVILHCEGQQQDYITLRLKAKVLSLNLOSQQL GPIYGHSTVMTGSLDDHEHWSVVLRRQGRSINLTLDRESMQHPR TNGEPDYLDLDYEITPGIIPSGKPSSSSRKPFQCMESINYNG VNTTDLARRKKLEPSNMGSLSPSCVEPYTPVVPFNATSYLBPVG RLNQDLPSVSPQFRTNPNGLLVFSPHFNHGNVBDLTESKVG VHINTITQKMSQIDISSGSLNDGQNHVRFLAKENPAILTIDG DEASAVRTNSPLQVKTGRKYPFGGFLNQMNSSSVLQPSFQCC MQLIQVDDQLVNLTEVAQRKPGSFANVSIDMCAIIDRCVPMHCE HGGKCSQTDSPKCTCDEGTYSGATCHNSIYKPSCEAYKHLGQT SNYYWIDPDGSGPLGLPKVYCNMTEDRVNTIVSHDLQMQTPVVG YNPEKYSVTQLVYSASMDQISAITDSABYCEQYVSYPCKMSRL NTPDGSFYTNWVGKANBKHYTWGSGPGIQKACGIERNCIDPK YYCNCADYKQNRKDGFLSYKDHLFVSQVVGDTDRQGSKAL SVGPLRCQGDNRNWRASFPNPSSTYLFSTFQGETSADISPYFK TLTPMGVPLENMKEDFKLKLKSAEVSFSPDVNGGPFVEIVVR SPTPLMDDQNRVTAERNVQASLQVDELQOIIRKAPTECHTRL ELYSQPLVGGAGCQCGFLGCIRSLMNGVTLDLBERAKVTSOP SGCSGRCTSYGTNCENGKTLERYHGYSCDCSNYAYDGTFCNKD VGAPFEBGMWLRNFPQAPATHARDSSSRVDNAPDQONSHRDLAQ EBIRPSPSTTKAPCILLYISSPTTDFLAVLVKPTGSLQIRYNLG GTREPYNTIDVHRNMANGQPHSVNITRHEKTIPLKLDHYPSVSY HLFSSSDTLFNSPKSLPLGKVIETGKIDQRIHKYNTPGFTGCLS RVQFNQIAPLKAALRQTHASAHVHQGLVESNCGASPLTSLPM SSATDPHLDHLOSASADFPYHPCQQAIRNGVRRNSAIGGVI A\VVIFTPSLCTP\VLPSR*HVSFPRKOTLPINERAGGSRQK KPGRRPSPMNDPPTSQRPIDBSKKEWPHLAGGYLANG
6791	1801	1193	TGHEGARGKNGKGDLPFRGERGQHGPKGRKGYPGIPEPL/PGW SAVV*SWLTAASTKVQAILLPQLE*LCGLQAFMASLATHFSNQ NSGIIFFSSVETHIGNFPDWMGRPGAPVSGVYFFTFSMKHEDV EBVYVYLMHNGHTVFSMYSEMECKSDTSSNHAVLKLAGDEWV LRMGNGALEGDHQRFPSTFAGFLFRTK
6792	33	1073	VHRTNNGVDHMLFSLGSESFRGAIGHIVSTRKTI LAVERNKVL PPLNHRTPSNGFDDFSCLGSYGSDKVLMTFENLAAGRCLCAV CPSPTTIVTSGTSTVVCWELSMTEGRFGLRLQALYGHYQAV TCLAASVTFSLVSGSQDCTCLMDLDHLTHVTRLPAHREGISA ITISDVSGTIVSCAGHLSLNVNGQPLASITTANGPEGAITCC CLMEGPANDTSQIIITGSQDGMVRVWKT/VGCEDEVCSWTASRRG APGSASKPERPQVGEKPLSRAGR*HCFDREAQONQP\FTAL AVSRNHTKLLVGDGRGRIFCNSADG*BERGSRGSGTTVP

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6793	2340	805	GRKEANY\YGSILTQAGTVSLGLDABGQEVFPVPSAVLPHVAPNDLVFPGWDISSNLNLAEMRRARVLWDWGLQEQLETPMEALRPPPSVYVPEFTAAHQ SARADNLIPGSGRAQOLEQIRERDTRFRSSAGLQKVVIV\MTANTERFCEVIPGLMDTAENLLRTIRIGLEVPSPSTLFAVASILEGCAFLNGSPQNTLVPGLAEALANQHRVVFVGGDDPESGQTKVSVLVDVLI\CGSLKTMSTVSVNHLGNDGEMLSADLQFQPSREKSNVVDVMQSNPVLVYTPGKEPDECVVIKYVPTVGDSEKRALOEYTSLEMLGGTNTLV\LNHTCSDSLLAAPIMLQALLATLTELQORVSCFCTDMDPEPQTFHPVLSLSLPLFEAPLVPPGSPVNVNLFQRQSVKENILRACVGLPQQNDMLLEHQMRRPGPSLARKVGFVAATYPMINKRGFPVPAATNGCTGDANGHLEQEEPPMPT*PGGHTVSRLLFLPAAPHDPTLIJAPTNGKRCHPSPPSITWGSNGL
6794	169	1349	DDVKKRPEASAH*EKPGPPSERPGVROGRERAGGEGSHGARSCL\EPAPPAPAPPEDHDEEMGPTIDIESPLKPGERTTYTQRCRLFVGNLPTDITBEDPKRLFERVGEPSVEFINRDROFGP\IRLESRTIAETAKRELGGTILLESFPLIRPATHGAALT\VNKLSFVVSNEELLEQAFSQPGPVEKAVVVVDGRGATGGGFVEPAKPPARKALERCEGDAFLLTITTPRPVTVSEPMQFDDDEGLPERLMQXTQOYHKRERQPPRFAPGPTPSPFYASRNKALDEMKHQQRQBVQDHIIRAEKKLEAEWEAAHEHQMLMLRQDLMRRQEKELRLLEELQNOBLOKREQIQLRHEKREHRRREKEMIRHRRLRQEKELRQEQGPK\NYMENYVCHPLR
6795	1740	1010	GPRRQTVQDRIELDSF*DWAAQHTDCAGNSGERL*KGV/LENFTMSKSAVKISLDL\SNPLCEQDQDLNMTALDTAMKMDAFNQEKVNQIQRTVIRPLKKPGSVFPSLNNAVKRRREALQDYRRLOAKVMPYBEKEKTPGVLA\KHQAREELRPVREDFEAKNRQLEEMPRFYGSLELDFQPSFESLIRAGVVYVSEMKIFGDL\SHQLDQPGHSDEQRERENEAKLSLRLAISIVADD
6796	48	683	GREIQIPTIKLANLLGLE*PVGALGKGVSP*SHVALGQLGWL\TRAVRSSWRNKLCVSAQEVVSQRSA*SSPSFVGACPSLNPPTSVQGBORDCQNR*LPRLPSALVGQPGCNPOGAPPERCV*PGRCKWHQSGQVLR*ERRRCRCLPRFA*GRRRRHQRLGLG\IHPAPLGSTFPPHEPGNSQOCRR*GMAAELRLPSSVVL*GELGC*
6797	1620	211	TERMTFSQPTREGSSCTRFSSMLWTS\TWRC\LTCHWAGMRMSVVGVTLGPMAGCLLSASCTT\TZA\TWRTPT\THLTLIRNHL\TASRVDDPZRPPFP\PRIDLT\LESSSSYKNL/DAQIPQ/DWSMSPTSG*RP\LTSSRASSIMRSRTAIP\SPAS*SR\LT\KHTVGGSP\SAWRPRP\TSRSVTSFVSSSTETTASGSC\LTWSSSPAC\SSSAP\HSSFEASCKTSLMGS\CGSGDGSSSAGSGWNLSMAGTSCSSPAMCSPSRAPS*RSASRPRTWRATTS\AASSWAP\RCWCWGA*SAT*PSSTTTTISSSPHCGWPCPASCASAAA\NLSSTWATASVAGSCWGPIM*SSAHS\PNCL\ACSRES\MTTCL*RSPP\SGASRAAA\NCGSSPSSTPTPSSASSSTWCSAGSSRS\SPATPTPESIPAAQAQRASCRPTSHSARTAPPPASAAGAA\RAAP\PSAAABGTFRRSIRCN
6798	3894	1696	STISWESLESMLNKA\TNP\SRQEDWBYIIGFCDQINKELEG*VSALNQLRGSGT\GRCTT\MARBGQPGSPRLS\AL\ECVLLVPQ\POIAVRL\LAHKIQSPOEWBALQALTYL\GDVSEKVKTKVIELLYSWT\AL\PREAKIKDAYHMLKROGIVQSDPPIPV\DET\LI\PSPP\PRPKNPV\PDDEKSKLLAKLLKSKNP\DD\LOQANKLIK\SMV\REDEAR\IQKVTKRL\HTLEE\VN\NVLL\SEM\LL\HYSQEDSSDG\DELM\KEL\PDQEN\KRRT\LPK\ASETED\NDNS\LD\ILQASDNLSRV\INSYKTI\LEGQVING\BAT\LT\LPDS\EGNSQCS\NGTIL\DL\AE\LD\TNSLS\SVLA\PA\PTP\SSGI\PI\LP\PPQ\ASGPP\RSRSSQ\EA\TLGP\STS\NAL\SNL\DELL\CL\GLAD\PA\PNV\PPKESAGNSQ\WHL\QREQSD\LD\FFSPR\PGT\AAC\GASDAP\LLQ\SP\APSSSSSQ\AP\PPF\APVVP\ASVPAPSAGSS\LFSTGV\APALAP\KVP\PAVP\GHH\GLAL\GNSAL\HHL\DALDQL\LR\EA\VTSG\LVK\PTTS\PLIPTT\TPAR\LLP\STG\PSGL\PLFQ

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			PLSFQSQGSPPEGPPELSLASIHVPLESIKPSALPVTAYDKNGP RILFHPAKECPGPRPDVLVVVSMINTAPLPVKSIVLQAAVPKS MKVKLQPPSGTELSPPSPPIQPPAAITQVILLANPLKKEVRLRYK LTPALGEQLSTEVGEVDQPPFVEQNGNL
6799	3894	1696	STISWESLESWLNKATHPSNRQEDNEYIIGPCDQINKELEG*VS ALWQDLRSGILGRGTTMAKSGQPGSPRLSALPCTVLLVPQ\PQLA VRLJARKIQSPQSEALQALTYLGDVSEKVKTKVIELLYSWTN ALPEAKIKDAYHMLKROGIVQSDPPIFVDTLTLPSPPFPKPNP VFDDREKSKLLAKLLKSNPDDLOEANKLIKSMVRDEARIQKV TKRLATLEEVNNVRLISEMILHYSGQSSDGDRELMKCLFDQC ENKRTLFKIASFTEDNDNLGDLQASDRLSRVINSYKTIIEG QVINGEVATLTLPSDEGNSQCSNQGTLIDLAELDTNLSLVLA PAPTPSSGIPILPPPQASGPPRRSSSQAEATLGPSSSTSNAL SNLDEELLCLGLADPAWVPVKESAGNSQWELLQREQSDLDFFS PRPGTAACGASDAPLLQPSAPSSSSSQAPLPPPPAPVVPASVP APSGSSSLFSTGVAPALAPKVEPAVPGHGLALNSALHLDAL DQLLEAKVTSGLVKPTSLPIPTTTPARPLLPTSTGPGSLPQ PLSFQSQGSPPEGPPELSLASIHVPLESIKPSALPVTAYDKNGP RILFHPAKECPGPRPDVLVVVSMINTAPLPVKSIVLQAAVPKS MKVKLQPPSGTELSPPSPPIQPPAAITQVILLANPLKKEVRLRYK LTPALGEQLSTEVGEVDQPPFVEQNGNL
6800	404	1646	RRSPSTGLSPVQPPSSPSLSDYSIPWSLLSGTIAWATPGK*AG *PQAN*LGLAPAIAP/ILTRGRKQNKEMAEGBGSDVDDAGDC SGARYNDWDDDDSHSKSIVWYPPWARIGTEAGTRARARARA RATRRARRAVQKRAFPNSDDTVLSPOQLQKVLCLVEMSEKPYILE AALIALGNAAVAFNRDITRDLCGLPIVAKILNTRDPIVKEKAL IVLANTLSVNAENQRRLKVYMNQVCDTITSRLNSSVQLAGLRLL TNMTVTNEYQMLANSISDPFRLFSAGNEETKLQVLKLLNLAE NPAMTRELLRAQVPSISL\SLFNKQENKVKILKLLVIFENINDN FKNREKPTNNOFGGSLFFFLKEPQVCADKVLGIESHDFLVK VKVGKFNAILAEMFPKSQ
6801	2	1755	SAREVPSQASVTMHDVDAESFEVLVDYCYTGERVLSHANVERL YAASDMLQLEYVREACAPLARLDLTNCTAILKPADAFGRRL RSQAQSYIAQNFQLSHMGSIIBETLADTLAQLLAVLRDGLD VESEQTVCRVAVQWLEAAPKRGPSAAEVFKCVEMHFTBEDQD YLBGLLTPIVKRYCLDVIEGALQMYGDLKYSLVPPVNSSSS /R*QOQLSCICSRKSTPETGYVCQGGDLWTTPORSLS\RYDPY SGDIYTNPSPLTSFARTKIVTSSAVCVSPDHDYLLAQPKDLN VYKPAQNSWQLADRLLCREGNDAVINGTYITLGRDPITGVK LKEVECTSVQRMALVAPVPHSFYSFELIVQNYLYAVNSKRM LCYDPSHNMWLNCSLKRSDFORACVFNDIYICIDIPVMKVYN PARGEMRISNIPLDSETHNYQIVNHDQKLLITSTTPQWKKR VTVEYDTRDQNIIGTMLGLQPDSSGFICLCARVYPSCLFPG QSPITREDDARSESSTENDLDGFSKLDSESGSSSSPSDDEWVQ VAPORNAOQOQSL
6802	157	1341	ETPPLPFFLLSKTPGKTASMAHFVQGTSRMIAESSTEHKECAE PSTRKNLMSLEQKIECLEKQKELLEVQNDQPPSMKELYE RKVAELKTLDAERFLSTREKDPHORQRKDDQREDDRQROLT RDLQREKKEKRLNRELHELKERNLLKGYTLANKKEHYEC EIKRLNKAQDALNIECSFSECLRSRVFPCHEEMTEMEVLK QOVQIYVEDFKKERSDRRLNQEKEELQINETSQSLNRANSQ IKACOMEKKEKLEKQLEQMYCPCNCGLVPHLQDPWVPTGPGAVQ EQREHPPDYQNYALDQLPPDVQHEAN/DWCLAPPPVCCQAG/PR TPGLK*SSCLWLPKC*NPRTILSKBSPSVEVHTNREQQATRER G
6803	1	2203	KLSGRPYRHMGVLGTSKLYDIRKTIPTFTPQPIDQQQFYALLEN

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			<p>KMIVEMLETDLSYLCSRRMTGQPTITFPISHSHLDEBGTSLNS SILAALREMDGYFGARVQTGKLSBFTTSCCTHLSFMDPGPE GKLYSEYDDNDYLESGNWMNDYDSTSHARCGDEVARYLHLL AHTAPHPKLAPTSQKGGDRPQAARVQTTCDLMSLVTKARELHVQ NVHMYLPTKLPQASRPSPFNLLDSPHPEQENQVPSVRVHILFRD QSGEVDPKALVLQLEKTSLLQEQADILYMLYTMKGFDMNTELYN ERSATVRELLTLYGKVGKIRRWGLIRYISGILRKKVLEADAC TDLLSHQKHLTVGLPPEPRRTISAPLPYRALTQLIDEASSGDM SISILTORIMVYLANMKTQPLPAEMFRLRIGLIIQVMATELA HSLRCSAREATEGLMNLSPSAMNLLHLLSGKRGFVERK/SVR PTDSNVSPAISITHIGAVCATKTERTGIMQLESELEQVEPRRLS ISAESQSPGTSMTSSGSPPSAYDQSSKDSRQGGWQRRRLDG ALNRVFGVGYQKVMKVLQKCHLSVSGFVLPSTTREMTPEIK FSVHVES/VLNVLLRPFYRQLLVEATLVLTMLADIEHSIGSII AVEKIVHIANDLFQEQKTLGP/DDTMLAKDPASG/ICTLR/YD SAPSGRFGTWLYS/RAA/ATYVQBFLP/HSICAMQ</p>
6804	1	951	<p>GSFGKREKAKKESLCHENSNSSEDEBETKAKMTPTTKYN GLEKRRKSLRTGFGYSGFSAEKRIKLLNSDERLQNSRAKDR KDVVSSIGQNFKTKLKLPSDSDTEAAASP PPHAPFEGVARES LQTVAREBSCSPSVLEKPPPVNVDSKPIERTVEVNDKAEFP SSGSNFSA*IPFLYHLNRLHQLS*QKGSROQSSVTSEPLAFN QEEVRSIKSETDSTIEVDSVAGLQDLQSERE*LASRP*COCKL KQ**SARTRS*KSLYRSEKSERCSGRRKFIKAEKPP*SNQK QKKEGKHK</p>
6805	1539	206	<p>RQPDLYKFGKSPDVSSESSLLSNDLPKFDGIKARNRNONYL VPSPVLRILDHAFSTKESADIVI COBECDSPEPVNQQTQEEBP IEVHTAEDVP IAVEVHAISEDYDIETENSSRLQDQDEEPPA KLCKLDSQALNVTAQKQNPILLRANSSGLYKCEFPNSKYFS DLQHMILAKKRTDSNVCRVCKESFTNMLLIEHAKLHEEDPYI CKYCDYKTVIFENLSQHIADTHPSDHLNCEQCDVQFSSSELY LHFQESHSCDEQYLCOFCEHETNDPREDLHSHVNVNEHACKLIRLSD KYNNGEHBQYSLLSKITFDKCEKPPVQCQVGFPSRLHTVNRHV ALKHTKI PPHVCDGCKGFSSMLR\IAHLNLSHLSEGYLCQYW EYSTGCIKDLKTHLDFKESADLPKCSDCIMRPGNERHLISHLF VHETT</p>
6806	272	3794	<p>VALCFNSDPVMFMDAFYGCLLARLGPVPIEVPLTRKDAGSQOV GFLIGSCGVFLALTTDACCXGLPKAQTGSEVAAFKNWPLSWLVI DQKHLAKPPKDNHPLAQDTGTGTAYIEYKTSKESSTVGVTVSHA SLLAQCBALTAQCYSEARTLTNVLDPKRDAGLWHEGVLTSVMNR MHVVSVPYALMEANPLSWIKVCYKARAALVKSMDHMSLLAQ RGQRDVSLSSLEMLIVADGANFWSISSCDAPLNVFQSGRLRPEV ICPASSPRLTVAIRRPDLGGPPPRKAVLSHNGLSYGVIRVD TREKLSVLTVQDVGVMPGANVCVVKLEGTPLYLCKTDEVEICV SSSATGTAYTGLGITTENVFPAVPTTGGAPIFDRPPTRTGLLG FIGPDHLVPIVGKLOGLMVTGVRHNDVAVATLAVEPMKFVY RGR IAVFSVTYLEDDEIVLVAQRPDASEDS PQWMSRVLQAITD SIHQVGVCYCLALVPANTLPKAPLGGIHISETKORFLEGTLPCHN VLMCPHTCVTNLPKPRQKQPEVGPASMI VGNLVAGKRIQAQSGR ELAHEDSQDARKFLFLADVLQWRATTPIHPLFLLLNAGTIVT STATCVQLHKRAERVAALMEKGRLSVGDHVALVYPPGVDLIAA FYGCLYCGCVPTVRPPHQNLTGLPTVMIVSVSKSACVLIT QAVTRLLRSKRAAAVDIRTWPTILDTDDIPKKIASVFRPPSP DVLAYLDPSVSTTGILAGVKMSHAATSALCRSIXLQCKLYPSRQ IACLDPFYCGLGFALNCLCSVSGHQSVLVPPLEESNVSLWLS AVSQYKARVTPCCYSVMEMCTKGLAQGTGLRMEGVNLSCVRTC MVVAERP\RIALTQSPSKLPKDIAGLPARAVSTTFCKRVNVAIC</p>

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			<p>LQGTAGPDPTTVYVDMRALRHDRVRLVERGSPHSLPLNESGKIL PGVKVIAHTETKGPLGDSHLGRIWVSSPENATGYTYVYGREAL HADHPSARLSFGDTYTINARTGYLGFLRTELTDASGERHDALY VVGSLDBTLKLGKRYTHPIDIETSVIRARHSIACAVFTWTLL VVVVELDGLBQDALDLVALVTHVVLBBHYLVGVVVIVDPGVIP INSRGEQRMHLDGFLADQLDPIYVAYM</p>
6807	1444	606	<p>VGHDTVHAMTCFPCCLGSPFVWVTVSPRSESHITTVSGGNG SVFOAGPOLQALANLRARRGSGAALSSRDVSGLPVYAQSGBPR RLTDAQVAAPFGNALRHSSDQDTWDSLSPGFCPSPLSSGGGAE SLPPGGPGHARAGILKVCDFHLNQQPSPTSVLPTVAAPFLB KILSVDSVAVDCAYRTVPKPGQPQPHGSLLTGCLRLSGDLN RPPCGMBVHSGORELSVVAVGRAMA\LEFPMGAMSYCLDRDSR FLFRLFMQLSCPLQVQ</p>
6808	2063	737	<p>GVGSGAASALARSPLASRLSSRRRTAPRPSGAMQRLAMDLRL SRELSLYLEHQVRVVGFPFGSGVGLSLILGFSVAYAFYLLSSIAK PQLVTGGESPSRPLQDHCPUVTETTYPTVWCWEGRGQTLRLRP ITSKPPVQYRNLRTADGGQISLOWFONDNSTCYMDASTRPTI LLPLGLTGTSKESYILEMHLSEELGYRCVVFNNRGVAGENLLT PRTYCCANTEDELTVIHVVHSLYPSAPFLAAGVSMGMLLLNYL GKIGSKTFLMAAATPSVGNWTFACSESEKPLWMLLFTYLTTC LQSSVNRKRHMFVKQVDMHVMKAKSIREYDKRFTSVHFGYOTI DDYTTDASPSRPLKSVGIPVLCNSVDVVSFSAIPIETAKQN FNVALVLTSGGHIGFLGFWPRQSTYMDRVFKQFVQAMVERGH RLS</p>
6809	939	65	<p>DYSGQTPVPTEHGMILYTPAQTHPEQPGSEASTQPIAGTQTVPQ TDRAAQTDSPQLHPSDPTKQPKRLHVSNIIPFRFDPLRQMF QQPGKILQVEIIFNERGSKGPGFVTFETSSDADRARKLNGTIV BGRKLEVNATARVMINKTGNFYTINGWKLNPVVGAVYGPBYA VTGFPYPTTGTAAYRGAHLRGRGRAVNTFRAAPPPPIPTYG AVVYQDGFYGAEL\LEATQPTDTLSPLQRRQPTATVTAESTQLP TRTITPSGPRRPTALEPCETTHRFLG</p>
6810	939	65	<p>DYSGQTPVPTEHGMILYTPAQTHPEQPGSEASTQPIAGTQTVPQ TDRAAQTDSPQLHPSDPTKQPKRLHVSNIIPFRFDPLRQMF QQPGKILQVEIIFNERGSKGPGFVTFETSSDADRARKLNGTIV BGRKLEVNATARVMINKTGNFYTINGWKLNPVVGAVYGPBYA VTGFPYPTTGTAAYRGAHLRGRGRAVNTFRAAPPPPIPTYG AVVYQDGFYGAEL\LEATQPTDTLSPLQRRQPTATVTAESTQLP TRTITPSGPRRPTALEPCETTHRFLG</p>
6811	1522	658	<p>DLVTWVSFVDCRVIASTHGH\KSNVSVVAFDPTTTSVEEGDFMR PSGSDQDQDLHPGRDRADSTQCRLSRRNSTDSRPVSVTYRFG SVGQDTQLCLWDLTEDILPPEQPLSRARTHVMNATSPAGSN GNSVTTGNSVPPPLPSESLPHSAVSNAGSESSVMGAIASGV SKPATLSLHDKRRHHRDHKRNHSMGHLSSKSSDKLNLVTKTK TDPAKTILGTPLCPRMEDVPLLEPLICKLAHERLTVLIFLEDCI VTACQEGFICWGRPGKVVSFNP</p>
6812	4001	1682	<p>EDAVFSLDLSTIQGTWFLNGRELKSENEPEGQVEFGALRYRIEQ KGLQRLILHAVKHQDSGALVGFPCPGVQDSAAITIQESPVEIL SPQDKVSLTFTTSBRVLTCLSRVDFFPATWYKDGQKVESESL VVRNDGRKHRLILPEAKVQDSGEFECRTGVSAPFGVTVDPPV HIVDFREHVVFHAITSECVMIACEV\DR\EDAPVWYKDGQVE ESDFVLENEGPHRLVLPAQPSDGGGFQCVAGDECAFYFTVTI TDVSSWIVYPSGKVVYAAVRLERVLTCLCRPHAEVWTKDGE BVVESPALLIQKEDTVRRLVLPVQLEDSCRYLCEIDDESASPT VTVTBPPVRIITYPEDEVTLIAVTLCEVVMCLSRDAPVWYK DGLVESEALVLERDGPRLVLPAAQPEDGGGFVCDAGDSSA FFTIVTTEPPVQFLALETTPSPLCVAGEPVVLSCLSRAGAPV</p>

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			VHSNNGRPVQGGEGLEHAEGPRLVLCIQAGPAHAGLYTCQSG AAGAPSLSTFTVQVAEPFVRVVAPEAAQTRVRESTPGDLELVVH LSGPGGPVRWYKIDGERLASQGRVQLEQAGARQVLRVQGARSGDA GEYLCDAPQDSRIFLVSVEBPILLVLSVSDLTPLTVHGGDDATFR CEVSPFDADVTWLRNGAVVTPGPQROSCCSTGGCCHQOQKART CVSENRQAEWVORGPCAGCEVGSPPCTTLACFPWPMOTSTASSS MVSTWPTRAPTAARATTIAPWFGSA
6813	9	836	SSTQQRPGVAGPRLIDGYLGVADEKPLMHCRDCLVTSSEGL LHSROGSQIDQTECVIEMDAPTRGYGRDVGERTSLVIAHSSI QRILNRHDLLEVSGQTVPIPWGPSSYMRDGEQVYNNLHLLS QVLFRLKAFMITRHKMLQFDELFRQETGO\NRKISNTWLSTGWF TWTLALELDRINVYGMCPDPFCDPNHPSVPHYHYEPFGPDEC TWYLSHERGRKGSBHRPITEKRVFNWARTFNHFFQPDWKPES LAINEPENKVPF
6814	3	737	KPRRQEN/ARKNRMHGLDADLNLKRVVPCYSKTQKLEKIEI LRLAKNYIWLSEILRIGKRPDLTPVQNLCEGLSQPTNLVAG CLQLNARSFLMGQGGGAHHTRSPYSTFYPPYHSFELTTPGHH TLNMSKMKPYNVCSAYESPYESTSPBCASPPQFEGFLSPPPIN NGIFSLKQBSTLDYGRNINYMCHYCAVPPPGPLGQGMFRLPTD SHFFYDLHLRSQSLTMQDELNAVFN
6815	906	553	QGLDPASQTEVVLLNDGSGRRGRDRSSRDWAGGAGPSESDLE DVGPTAEWNGDGSGLRRSGSPGKLRDALERSSEMLVKMLQGGT POBPFPNPRMKRASSLNFLNKSVERPTQGG
6816	1	803	NLLKTHKP\LYGQDEDSLHSPVVAQMGNYQBYLKTASPLREID PDQKRLHTFGNPFKQDKKGMIDDEAFVAGPQNKVKRPGEPN BPMSEKRRRSMSLLLRKPQTPTVTNHWGKGPSPASWFPSPYN LYKPTLVHTDATIHDGHEERKMENGQITPDGFLSKSAPSELIN TGDMPFNQVDSLSDFTSLSKDGLIQKPGSNAFVGGAKNCSL VDDQKDPVASTLGAMPNTLQITPAMAQGINADIKHQMLKVRKF GRSK
6817	172	3457	LGNDSPKIGNGLEPVGPGTDIGISSLEHVGYLGNFDSAKVPS DEYCPACKRRKCKLKALATYRISFQBSIFLCEDLQCIYPLGSKSL NNLISPDLEBCHTPHKPQRRKSLESSYKDSILLANSKRTNYIA IDGGRVLNSKINGEVYDETSSNLPDSSGQCFRTADSLERNEI LEADTVDMATTKDPATVDVSGTGRPSPPQEGCTSKLEMPLESKC TSFPQALCVWKNAYALCMLDCILSALVESERLKNVTGULCSKE ESIWNRLTKYNQANTLLYTSQLSGVKDGCKKLTSEIFABIEI CLNEVRDEIFISLQPOLRCTLGDMRSFVFAFPILLKLETHIEKL FLYSPSWDFECSQCGHYQNRHMKSLVTPINVIPEHPLMAAHF GPCNNCSKSKQIRKMLERVSPIFMLHFVEGLPQNDLQHTAFHF EGCLYQITSVIQYRANHFI TWILDADGSMLECDLKGPCSRHH KKEFVPASEIRIWIWERKISQVTDKEAACLPKKTNDQHALSNE KPVSLTSCSVGDAASATASVTHPKDISVAPRTLSQDTAVTHGD HLLSGPKGLVDNILLPLTEETIQKTASVSQINSEAPL\LENKPV ARNTGILKNTNLLSQBSLMASSVSAPCNEKLIQDQFVDISFPPSQ VVNTNQSVQNLNEDTVNTKSVNNTDATGLIQGVKSVEIKDAQ LQQLFTPKTEQLEPERVTSQVSNLKKKETTADSQTTSKSLQWQ SLKENQKPPFVGSWVGLISRGASPMPLCVAENRNTITDLOPS VRGVNPFPGGFKTGINQKASHVSEKARKEASRPPPIKRPAGPP SSNGTAAPRAHAASEVLEKSGSTSCGAQLNHSSYGNISANH EDLVEGQIHKLRLLKRLKLEAKKLAALMSSPQSKTVRSENLE QVPQDGSNDCHSIEDLLNELPYPIDIANESACTTVPGVSLYSS QTHEBILARLLSPTPVSTLSENGEGDFRYLGMGDSHIPPPVPS EFNDVSONTHLRQDHNYCSPTKKNPCVQPOSLTNNACVRLTNL BSPMRDIFDEPFFSSALNALANDTLDLPHFDEYLFENY RGFDRVLWT/LSGAVK\CVQFSRISFDGEEGYFGLKVVVTTTL
6818	2	240	

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6819	1	961	DGGE/LHS/ATTEHEP/VQATPVNLT\TILTSTWQARLPQI GIPCTENGNFONANVTGREIPAIHYCFRTSLEICYKACKNLAY GREKKKCNPIYKTYLLPDRSSQGRRTGVQNFVDPPTFQSTLK YQVAPQVLVTRQLQVSVHGLTLARRVFLGEVTLPLATWDFEDS TTQSPRHEPLRAKADKYEDSVQPSNGELTVRAKLVLPSRPRKLO BAQEGTDQPSLHGLCLVVLGAHLPVRFPGDTLNSFVHGCLTLP DQOKLHLESFVLRRQACPMKHSFVPSGVTPAQLEQSSLELTVW DQALFGMNDRLIGOT\RLGSKGDTAVGGDACSQSKLQWQKVLSS PNLWTDMLVLH
6820	1014	340	GDVVYIVGHVPPGPFPEKTONKAMPREGPNBKYLRVVRKHHRVLA GQFFGHEHTDSFRLYDDAGVPIAMFITPGVTPNKTLPVGVN GANNPAIRVPEYDRATLSLKNVITYPMHLSQANAGQTPRNELEY QLTEAYGVFDASAHMHMTVLDRIGDQSTLQRYVYNSVSYSG VCDEACSMQHVCMARQVIDDAYTTCLYASGTFVPQLPLLMAL LGLCT
6821	1088	518	EFDIYR/EVGGEFVPTTRDDSSNGFPRTQHCPSPTVHPIQSPQN RFCVLTLDPEFLPAIATTLIDVLFYSHSTPKRAASSSPSPSSIT FFAFSLIEGYI\SIVMDAETQKFPDOLLTSSEGLWEMVRIG GQPLGFDECGIVAQIAGPLAADISAYYISTPNDHALVPEDOI GSVIEVLQRROGLAS
6822	1088	518	EFDIYR/EVGGEFVPTTRDDSSNGFPRTQHCPSPTVHPIQSPQN RFCVLTLDPEFLPAIATTLIDVLFYSHSTPKRAASSSPSPSSIT FFAFSLIEGYI\SIVMDAETQKFPDOLLTSSEGLWEMVRIG GQPLGFDECGIVAQIAGPLAADISAYYISTPNDHALVPEDOI GSVIEVLQRROGLAS
6823	654	221	PPKLSRHMAMGHGDEIV\LSDLNFPGLLHLFVVGVPWRSVQTAC GYPQLLEAVLKLLPLDTYVESPAVMBLVPDSEKRGQTVPVNTS YESILRRAGCVRALAKIERPBYERAKKAFVAVTGTALYGNL TLRKGVLAINPLL
6824	858	104	LLLAQRQWQ\CCFFSLAVSVKMNVLFPAGLLPALLTQPGPRG ALPKLGICAGLQVVLGLPFLLENPSGYLSRSPDLGRQFLPHWT NMRFLPEALFLERAPHLALLTAHLTLALLFALCRNHTGESILS LLRDPKRKVPQPLTPNQIVSTLFTSNFIGICPSRSLHYQFVY WYFHTLPYLLWAMPARWLTHLLRLVLGLHLWNTYPSTSCSS AALHICHAIVILLQLNLGPQFPPESTQHSKAB
6825	3	1173	SSGEFGLOASDIWNTISDTGNLITLCSLMEMALGACTFVHLL PFDPLVLKTLSSYPISKSMGAPIVYRMLLQDLSYKFPHLQ NCLAGGRSLLPETLENWRAQTGLDIREFYGTETGLTCMVSKTH KIKPGYMGTAASCYDVQIIDDGNVLPPEGTGDIQIRVKPIRPI GIPSGYVDNPDKTAANIRGDFWLLGDRGKDEGYPQPMGRADD IINSSGYRIGPSEVENALMEFAVAVTAVISSPDPVREGVVKAP VILALQPLSHDPEQLTKELQOHVRSVTAPYKYPRKIEFVLNLPK TVTGKIQRA\KLDRKRWMSGKAPCAVRHLRDIHLDSPLLSLSP PFGPLALFMDGYGDSLWREHEYKFCIALVISTELHYVRC
6826	2304	954	LKTESFKPW/VNIALAFHLLGERASPNSFWQPYIQTLPRIYDTP LYFEDEVRYLQSTQAIHDVPSQYKNTARQYAYFYKVIQTHPHA NKLFLKDSPTYEDYRVAVSSVMTRQNIPTEDGSRYTLALIPLN DMCNHTNGLITTYNLEDDRECEVALQDPFRAGEQIYIFYGTRSN ARFVHSGLFFDNNSHORVLIKLGVSQSRLYAMKAEVLARAGI PTSSVFALHPTBPPI SAQLLAFLRVPCMYREELKEHLIGDSAD RIFTLGNSEFFVSWDNEVLWTFLEDRASILLKTYTTIREDKS VLEKNDLSVRAMAIKLRLGRKEILEKAVKSAVNREYRQOME EKAPLPKYRESNLGLLESSVGD SRLPLVLNLEERAGVODALNI REALSKAKATENGLVNGERSIPNGTRSENESLNOESKRAVEDAK GSSSDSTAGVRE

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6827	1	779	SSVVRFGSLVGLGFLFLLFVLENNMLGLLEHRLRPRCCRRKKRNI ETRNLDPEFGSGMALQPLQAAPEPGAGQQRKNSCHPPALAPPF EQGSHSGHGQGGIDITWVLLGDLNLTDLGLAIGAFSDGFSFG LSTTLAVFCHSLPHEIGDFAMLLQSGLSFRELILLSTLVSGAIGL GQAVLGVGLSLGFPVPLTFWVFGTAGVFLIVLVNMLPALFPFS GADVA\HVLQLGGLGLGCCMLAITLLERILLFVTGG
6828	3	1654	KSQHQ/WTLQLMHSCBEGYVVDLKGNGPGLHRAMLDLNDGTFRSE LGHLSTASLKRGGSPQSGRDTWRYKTFHRVAFVRELTKLVLS QLFNFWKLMISYVNGSLSESTABKSGQIRSKNVQRQNDPROM IQEVNHSLVKLTRGALLPLSIRDGEARQYQGWVVKELSGQMLA HAJQTURLTHESLTALFTPDLLQTIQDLILDLEVRVCMATIQH TAEHTERLAKREDWIVDNEGLTSLPQCFQCTVCSLQSLRGVLE CAPEASVPQPKPTQHEVCQLSINIMQVPTICLSQLSTKPDADI DTTILSVIVSSPDLFGSIHEDFSLTSEQRLLIVLSNCCYLERHT FLNTAEHPKHNFPQGTREKTIQVMSALSKRLDQRLFENYIELKAD PIVGSLEPGIYAGYFDWDCLEPTGVNRYLERALVNI LAVHAEV PTISKELVPRVLSKVIKAVSEKLSRLMQCVSSPSKNGALQARLE ICALRDTVAVYLTPEKSSSPQALEALPQLSSGADKELLLELLN KPKSSMHLQLTCPQASSTMMKT
6829	1	782	MEMRAGEAAPPAGAGGRAGGNGKRVNVLNVGGTVFLITRQTLCH EQKSLFSLRLCQGERLQSDRDETGAYLIDRDPTYFGPILNPLRHO LKLVLKDNMAEBGVLEAEFPYNIQPLIRIIRDMEEKDVTYTVQV PKHVVYVLQCQEEBLTQMVTNSDGRPEQLVNIIGSSYNYGSED QAEFLCVSKELHSTFNGLSSESSRATKSTEEQLLEQOQQQEEV SEYVEVQVQVEADQAQR/CCKPEAPGCEAPDHLQGLGVP I
6830	1	939	MEPGSVENLSIVYRSRDFLVVNKHVDVRIISKARRETLTLQKQL RYRFPELADPDTCYGRFCHQDLDFSTSGALCVALKAAAGSAYR CFEKRVRTKAYLALLRGHIQSRVITISHAIGRNSTEGRAHTMCI EGSQCCENPKPSLTDLVVLEHGLYAGDFSVKVLKPLTGRTHQL RV\HCSALGHFPVVGDLTYGEVSGREDRPFMMILHAFYLRIPDT CEVEVCTDPFLPLSLDACNSFHILLQSLDLQVQALRATPDPOPE DRGPRPGSPSALLPGPGRPPPPPTKPPETEAQRGCPCLQWLSEWT LEPDS
6831	3	1087	SLFPGSSTPDKVABQORDLETQPSFVKAATVIDPEGTIPTNF NVAERPADHSISEVKLTADPRGTLVKSQDGNVREKSMILEN VEDLQPKPFISEVSREDDYGRKEISGDSEENINSVVSADGENL BIQYSYLIGRELAMBEAKTIVPHVTDSCRVOQPAIAPPSSKNI SIFKEEPRSDQKQKSLISFDVVDKVPQPKSASSNPASKMITKE SEKPEIILFVERSGSLIDFSERDLKKHMONPTSLKISERETK LHVSPTSPEKKNLNHR\SYTL\AEKKVLAEKNSV\APLELRDS NEIGKTQITLGSRTSLKRSKADAMPQHFYQNEYDNERPKIIVG SEKREDEKKK
6832	1809	412	MSCGLISGPPQDNGSEALKEPEBAQEHSLNFAAGGQHFFRYLLV VSLKKKRSDDYKPIITYQFPKRENLLRQGQKSEERLLKAIPLF CPDGGENWASLTREYPRETFSEVLINVDGSRKIGYCRLLPAGPG PRLPKVYCIISICIGCFGLFSKILDEVEKHHQISMAVIYPPMQGL REAAFPAPGKTVTLKSPIDSGTRFISLTRPLDSHLEHVDFFSL LHCLSFQILQIPASAVLERKIFLAEGSLTSLQCIHAAAALLY PFSHAHTYIPVVPSELLATVCCPTFMVGVQMRPQEEVMDSPM3 EVLVNLCEGTFPMSVGDREKDLPEPLQDDILDSLGQGINELKT ALTSKTHRRPVKPFVKTLQPSLPTQAEKSKNPPAGYPOOKLLE YBEQKQ/TETGKNCRIRAVVNNKD
6833	1	1129	PLWTLSCGGIPGCHGSHSGCHGCHGLPKGPRVKSTRPFGSSDIN VARGEQGPDQERTWTLVANTSNSNGLKLDPADPENPRSGDTVEV QNGNLVREPDHMLSEDRAGQINMRGVFLVGLDALGASVTVVV

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			NALVFYPSNKGCCSGDFCVNFCPPDPCRAVFIINSTHASVYEA GPCNVLYLDPTLCVVMVCILLYTTPLLERSALILLQTVPKQID IENLIKELRNVEGVVEVHELHVWQLAGSRIATAHIKCEDPTSY MEVAKTIKIDVFHNGIHATTIQPEFASVGSKSSVWPCRLACTQ CALKQCCCTLPQAPSGKDAKTPAVSLSCLELNNLEKKPRRTK AENIPA\VVIEIKN\IPNK\QFESSL
6834	78	1151	AGQERPAFIRNLLMLPTPSVSRKAPAHIPINR*GA*R*RGGLP LCSSASAYGNH*RLTPWSPGGS*HM*SSKAPVQAREVLVAGP CSKLVLSCARGIVGTTVQVLVRAQQPILLFTGVNGLNLRAGEE SRAL*LIIEVTVQVRDAHLGNVAVGCAQCLSQGQVGSALAEALLE AAAVRDCREVLTVSGDKQAEVSVRL*VRDVCVERAGCVPFGQ AHGRPLALAKORGOTNEVEEQVQVQVQVQLVLSAHECHELVAG QQDGEDQAAARTLLQAGAHSAVHGRQQAFCRPHQAGVSCHE LQQVVGDAL*ARE*APQIIIVLLLEDVAQLETKKA*DLVVQVE QLLRQL
6835	1	834	GTPAADR\EASLELTKLDISRTFFNLCI\POGGPYHMLHSILG AYTCYRPDVGYPQGSFIAAVLILMLDTADAFIAPSHLLNKPCQ MAFFRVDEGLMLTYPAAEVVFEEENLKLFAHFKKNNLTPDIYL IDWIFTLYSKSLPLDLACRIWVFCRDGERFLPTALQILKLFB DILTKWDFIEMAQFLTRLPEDLPABELEFASIIATIQMSRNNKWA QVLTALQKDSREMRBGKSVPTLRLQREPALGTNQSMPRPLCC FELTPGQPRRTDAL
6836	1	850	MSCGRPPPDVDGMITLKV\DNLTFTSFDLSLEVPFKYGRVGDV YIPREPHTKAPRGFAFVRPHDRRDAQDAEAMDGAKLDGRELV QVARYGRDLPSSRQGRRHAGPAA/RYGRRSRYGRRSRSPR RHRSESRGPGCSRSRSRSGRYGRSPYERSPYRSRYSRS PYRSRYRESRYGSHYSSGYNSRYSRYKSSRSHSKSGSSTS SRASSTSKSSARRSKSSSVSRSRSRSSSMTRSPPRVSKRKS KSRSRKRPPKSPBEGQMS
6837	1	1369	TGGAAGNPGSDYPPGGTAP/GOPKTRRP\SGTSSSGSKASGP PNPPAQGGDTSLSPNTTLESTSGNDGKPVSGGGGRGRRRKRS GHVSPTGTFDKYSAAPDGGGAPGVSPGQQASGAAGGSSAGET RGAPTPHRKALTSPSWKGAKLLLDQPDIGSLDGGAKSDSSS PNVGEFASDEVSTSYANEDEVSSSDNPQALVKASRSPLVGTSP KLPRGVGAGREBGPAPPPALGLGIMENSTSTPDSTGGGGPGH PGTPGLEQVVRTPTSSSGAPPDEIHPIELQAIQLQRQFSIS EDQPLGLKGGKKECAVGASGAQNGDSBLGSCCSEAVKSAMSTI DLDSLMABHSAAWYMPADKALVDSADDDKTLAPWEKAPQNPNS KEADLPANKASASQPGSHLQCLSVHCTDDVGDARASVPTWR SLRSDISNRPGTFVAALT
6838	16	499	LTDTPPKTHMTHHSISDYKATLCWALGFYPMBITLWQQDRR DQTRDMELVETRPAGDGTQKNAAVVPSGGE/Q/RYMCHVQHE GLPEPILTRWEQSSOPTIPVGIIVAGLVLGAVVTGAVVSVMC RKKNSDRVSYSEAASSDEAQQSDVSLTACKV
6839	1	1195	AAPAGGGPDPEALSAPPGRHLSELSWPPQVRLDALLSEPIPIHG RGNFPPLSVQPRQIRAGGPOHFGGAG\IHVHRVLEGSAASEVL HPESGLGYKDLDFVRMDLRSEASFQITKAVVLACLIDFLPAGV SRAKITPLTLKEAYVQKLKVCDSDRNLSLSNKSCKNVBLK FVDSVRQFEPIDSFQIILDSLLFPQCSTPMSEAFHPTVTG ESLYGDFTRALEHLRHRVIATRSPEIRGGGLLYCHLLVRGFR PRPSTDVRLQRYMCSRFFIDFPDLVEQRRLERYLEAHFGGAD AARRYACLVTLERVVNESTVCLMNHERRQTLDLIAALALQALAE QCPAATAALAWRPGTGGVVPATVNYVTFVQPLLAHAYPTWLP CN
6840	4254	2061	ELQGDPSVDPVKSMANCENSICVGFKRDYILIRVDGKGSYKRL PPTGRQLEPLVAPLADGRVAVGQDDLTVVINEEGICTQKCALNW

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			<p>TDIPVAMEHOPPYIIAVLPYVEIRTFEPRLLVQSIETQRPPI TSGGSNIIYVASHFVWRLIPVPMATQIQQLQDQFELALQLA EMDDSDSEKQQQTHHINKLYAPNLPQQRPFDSMQVFAKLGTD PTHVMGLYPDLLEPTDYRKQLQYFNPPLVLSGAELEKAHLALIDY LTPQRSLVKRLNDSHQSSSTPLMEGTPTIKSKRLQIITDTT LLECYLHTHVALVAPLLLENNHECHLESEHVLKKAHYSRLII LYEKGLHREKALQVLVDQSKKANSPLKGRERTVQVILHGLTENL HLIFSYGVWVLRDFPDGLKIPTEDLPEVESLPDRVILGFLIEN FKGLAIPYLEHIIRVWEETGSRPHNCLIQLYCEKVGGLMKEYLL SFPAGKTPVPAGEEKEGELGEYBQKILMPLLEISSTYDPRGLICDP PFDGLLEERALLGRNGKHEQALFTYVHLLKDTMRARRYCHKHY DRNKDGNKDVYLSLLEMYLSPPSIHCIGPIKLELLEPEANLQAA LQVLELHSEKLDYTKALNLLPANTQINDIRIPLSKVLEENAKKK RPNQVLEKLLHAEFLV\QERRILRQVCKIITEBKVCNVCKKK IGNSAFARYPNGVWVHYPCS\KEVNPADT</p>
6841	1	3206	<p>TPSTTGKSNTPSSVPSAAVTPLMHESIQPLGQYGVGSEKSKRA REKRSRNNEVQVQVQEMRNVSTIGMSSDSDVQDIIDSTPELD MCPETRLDRTGSSPTQGVNKPAGINTDSLHELSTAGSEVIGD VDEGADILCEPFGMGKEVENLLESSLLETKNALNVVKNDLIA EVDQLSGEQEVLRGHLEAAQAKVLEENRIKELSEELKRVKSEA IARREPKERANDVSSYLCTESDKIPMAQRREPTRVEMARVMB RNQYKERLMELOEAVRWTEMLRASRHPSPQEKKSTIWWPFSE LFSSSSSPFPAKRFPYPSGNIHYKSPITAGFSQRNNDMCPISAG SRPLEFPFDDDDCTSSARREQREYQVREHVRNDGRLQACGN SLPAKYQLSPNGQEDTRMKNVPPVYCRPLVEKDPMTKLNCA AGVNLSGWRPNEDDAGNGVKNPAGRDPLTCDEBGDCPEKSAHS PEKKKAKRLPEMDATSSRVNLTSTLTTSKVVIIDANQPGTVVD QFTVCNAHVLCISSIPAASDSDYPPGEMFLDSVNPEDPGADGV LAGITLVGCATRCNVPRSNCSRGDTPVLDROGGEVATLANGKV NPSQSTERATEATEVPDPGPSEPTATLRPGPLTEHVFTDPAPT PSSGPQPGSENGPEPDSSSTRPEPEPSGDPGTAGSSAAPTMLG AQNGWLYVHSAVARNKKCLHSIKLSDSVLSLVHVKGRVLVALAD GTLAIFHREGDCQNDLSNYHLMDLGHPHSIRCMVVYDRVWCG YKXVHVVIQPKTMQIEKSPDAHPRRESQVRQLAWIGDGVWVIR LDSTLRLYHARTHQLQDVIDEPYVSRMLGTOKLGFSEVRITAL LVAGSRLWVUTGNGVVISIPLTSTVVLHGG\LLG\LRANKTSP TSGG\ARPGG\IIRVYG\DDSSDRAARSFIPYCSMAQMLCPH GHRDAVKFFVSVPGNVLATLNGSVLDSPAEGFGPAAPASEVEGQ KLNVVLVLSGGEYITDFRIGDGEDETEGAGDMSQVQPVLSKA ERSHLIWQVSYTPE</p>
6842	3	926	<p>RCQQLSATILTDHQVLEHTPLCAILKQKAPQYRIRAKLSYKP RRLPQSVKLCPCCHLLQEPVHEGDLDIIFQDGAETPDVKLQD TSLYDSKIWTIKQKGRKVAHVFNNGILPLSECELLIEGGT LSEICKLNNKFSVIVRSGHEDLELDDLAPFLIQGTVHHYGC KQWST*RSIQNLNLSLVNKTWIPSSVABALGIVPLQVVFVMTFT LDDGTGVLEAYLMDSDKFPQIPASEVLMDLQKSVDMIMDMPC PPGLKIDAYPWLBCFIKSYNVNTGTDNQICYQIFDTTVARDAVI</p>
6843	2	851	<p>NHRKVLGAKRYECNECGESFAYTSSLIKHRRHTGERPYECSE CGRSFARNSSLIKHLRVHTGERPYECVCGKSPRRSSSLIQHQR VHTREKPYECSECGKSPSLRNLNHRVHTGERRRCGCGKSEF SEKSSLIHLRVHTGERPYECSDCGKSFARNSSLIKHLRVHTGE RPFYECIDCGKSPHSSSPRRHQRVHTGMRPYK*SKFWKFCPCGF LLLGQQRVHTGSRCYRCDKWIIPPS*NASFFT*KSAPTEEVVPE CNECEKAPSLSLVTTTFT</p>
6844	244	642	<p>EQQLAGFLEKRTQTSMSLGTTRBKTRVKESTAYLSPQELEDDVY QYDVKSEIYBFGIVLWELATGDIIPQGCNSEKIRKLVAVKQQE</p>

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6845	3	1519	<p>PLGEDCPSELREITDECRANDPSVRPSVDHILKKISTFISK*CIK I</p> <p>VAVRDECYNRRHVPMDQLMMLFILMCHPETARARLEYRITLID GALENAQNLGYQGARFANRSADSGLEVCPEDIVGVQEVHNGAV GLAFELYHTTQDLQFRRAGQNDVVRVAVRPFVCHRVNSPREE KYHLRGVMSFDEYHSGVNSVYTVNLVONSLRFAAALAQDLGLP IPSNLAVADKIKVFPDVBQNPHEPFDGYPEGEVVEQADVVLIG YPVPFSLSPDVRRLKLEIYEAVTSPOGPMTWSMFAVGWMLKD AVRARGLLDRSFANMARPPKVTENAGGSCAVNPLKMGGFLOA VVGCTGFRVTRAGVTFDPVCLSGISRVSVSGIFVQGNLNFSE SEDSVTVEVTARAGPWAPHLAEKLWPSQSELSTLLPGHKVSPFRS AGRIQMSPPKLPSSSSSEFPGRTPSDVRDPLQSPHVTILGSSSP TESLTVDPASH*SGTGASBTSGLPSPSLNPLHPPLGLTLLACHPS PAARLSCKVHAAMPFKAPCL</p>
6846	213	1258	<p>LYPLKTIK*LNRLARHP*YENRKLTKLNTIMEQYTRTRESARG IIPTKTRQSAVALSQWITENKFAEVGVKAHHLIGAGHSSEFKP MTQNEQREVISEKRTGKINLLIATTVAEBOLDIKECNIIVIRYGL VTBELAMVQARGRARADESTYVLVAHSGSGVIKHEFTVNDPRERM MYKAIHCWBMKPEEYAHKILBLQMSIMKKMKTKRNLAHKYK NNPSLITPLCNCSVLACSGEDIHVIEKMHFVMTPEPKELYIV RENKTLQKICADYQINGRIICRQQAQNTMNVHRLDLPCLKTR HFVVVFQNSTKQYKQWVLEPITFPMLDYSECCLPSEDED</p>
6847	1450	348	<p>SMCWNDRLEMPYLDLALILYPPSYVPTGHLSDSLSKRYCLT WFDALNGVL*RAEAIQPHCVNAGDRMKFRQKYNNKLAQTLRQQ PPAYGTLTVRSLLDTREHCLNRYNFPDPYSKVQKRENGVALRCP PGVVRSLDALGWEERQALALVKGILLAGNVFWGAKAVSAVLESOP YFCFERAKRLQERPLVDSYSEMLQRLKOPPHKCALIPADNSG IDIILGVPPFVRELLEGTVEVLACNSGPALEDVTHSESLIVAE RIAGMDPVVHSALEBRILLVQVGTSSSPCLDLSRLDKGLAALVR ERGADLVVIEGMGRAVHTNYHAALRCESELELAVTKNWLAKRLG GRLEFSVIPKYEVPK</p>
6848	19	16	<p>AMWNSLDGIRNTVLSNPKKNTLSLAWLKSLSQSDILHDAEND LKVIILISAGCPVFSSGHDLKELTEQGRDYHAEVPTCSKVMHR IRNHPVPIAMVGLATAAGCQLVASCDLAVASDKESFATPGVN VGLFCSTPGVALARAVPREVALEMLPTGEPISAQEFALLHGLWK VVFARLQESTMIRAKIASLSRPVVSIGKATFYKQLPDIGTA YYLTSQAMVDNLALRDQGEITAFLOKRIKPVWSEKPV*VEH</p>
6849	70	821	<p>SLGVDSGLSGSPAPRPQDTSP*PVGNNATQOEDLYHQS YEC VCVLPASVPDFKEFYSESNIHHEGLECLRLINEIADFDILLSK PKFSGVVKIRTIIGSTYMAATGLNATSGQDAQDAERSCSHLGTM VEFAVALGSKLDVINKHSFNNPRLRVGLNHGFPVAGVIGAKPO YDINGHTVNVASRMESTGVLGKIQVTEBTAMALQSLGYTCYSRG VIRVEGEGQLCTYFLNTDLTRTGPPSATLG</p>
6850	2	1235	<p>ARGLNHEWTFBKLRQHISRNAQDKQLHLFMLSQVFPDAVFDLTD LDVLKLELIPRAKIPAKISQMTNLQELHLCHCPAKVEQTAFSP RDHLRCLHVKFTDVAEIPAWVYLLKMLRELYLIGNLSENNEMI GLESRLRLHLKILHVKSNTKVPNSITOVAPHLTKLVIHNDGT KLLVLNSLKKMMNVAKELQNCLEKRI PHAIPSLSNLQRLDLKS NNIRTIEEIIISPHLKRLLTCLKLMHNKIVTIFPSITHVKNLESL YPSNNKLESIPVAVFSIQELRCLDVSNNYSIMPIEIGLLQBLQ ELHITGNKVDILPKQLPKCIKLRTNLGQNCITSLPERVQQLSQ LTQLSLKGNCLDRLPAQLGQCRLKSKGLVVEDHLFDLPLEVK EALNQDINIPFANGI</p>
6851	1765	660	<p>VSAQVSAREGENCLGNLADSSQBSYKSLSEARDCYPPSLITLD LRDLFQVQEQPILLSCKACTDLSMGRAREVGWMAAGLMIGAGA CTCVYKLTIGRDDSEKLEEEKEEWDQDLDEKPEDIWDFPT</p>

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			MARPWTBDGDWTEPGAGGGTDRPSGGGKANRAHP IKORPPFPE HENTWSAQCRNGSCVLDLSKCLFIQGLLPAPKADAGFPFSD INSHLASLSMARNTSPPTDPTVRALCAPDNLNASIESQGGIKM YINEVCRTVSRCNSPLQAGLMLLISMTVINMLAKSASDLK PPLISEGSGCAKVVQLKPLMGLSEKPVLAGELVGAQMLFSPMSL FIRNGRRI LLETAP
6852	1	407	RTRGERTYANPIKNDGKNI FYAARTPATLFAVMFAMYIISGLT GPIGLNSTAVLCNLVNLGLALIFLCTWAVYKSGRPRBIGTVIDQ IARTLMEQVLKPLGDNLMENIRQSVINIKAGLTDQVSHARL RTD
6853	3	469	GDSCAVCTELYKPNLVRILTCHIVHKTCVDPNLLRHRTCPMC KCDILKALGIEVDVEDGVSGLQVPVSNIEIPNSASSHREDNRSET ASSGYASVQGTKEPFLREHVQSTNESLQLVNHEANSVAVDVIPH VDNPTFEDETFPQRTAVREIES
6854	1148	585	HRSYIGTFDPGELCVCAIYQNLQNSASYFLNRKLVYEPSTOAK PVKNTPLRMWYSHHIYQDLRKKILDVGERLDVTGFCMTGKPG IICVEGFKHCEEPWHTIRYFNWKHISCKHARSVETECNGEDLR LFHSFERILLERAGDYGLRNDYEMNLGQFLFLKHKHSEHVFOI LFGIESKSSDS
6855	1913	1148	GRVGGVGRICSPISGANEY IASTDTLKTREVLFTDQTDLLAK REPTSLFORDSETKESGLVLEGDEIHQIFEDLDKILALASRP YIPBGCIQENAAEMVVALDALHREGIVCRDLNPNILLNDRGHI QLTYFSRWSEVEDSCSDAIKRMVCAPEVGAITESTACDNWSL GAVLELLTGKTLVECHPAGINTETTLAMPFWVSEERSLIQOL LQFNPLERLGAGVAGVEDIKSHDFTFPVDWAEMLR
6856	1617	997	VTQLYVSDASTKDSLEKKIDRPLFKDQWQFLDSLKALAVKQOR TVYRLTLVKANNVDELQAYALVSLGNPDLFVKGVTYCGESSA SSLTMAHVPMHEEVQPVRELVDLIPEYBIACHEHNSCLLIAH RKPKIGGEMWTWNNRPFQKLIQBYEDSGGSKTFSADYMARPT HWALPGASERGFDPKDTREHQRNKSALSGC
6857	1	617	KQPEATAMVCVSHPNCRQNHKPSHSAAYTCGSPTPASAPNH KIMAMEQKTLPSATEDAKKEGLEAQISRLAKLIGRLESKALNP DLQQLSDEEDGTMMHLQLVRQEMAVCPQLSEPLDSLQYLRT TGVNRCPHTTAVRLSDGFTFVIYEFWBTBRANKHLSPLCKAF KHVEVDTLSPALSRILVPAAMCTVGRD
6858	2	669	RSRGIXDFENDPPLSSCGI PQSRIAGDALIDSGIRISSVPASPA LRCVQTAKLILEELKLEKKIKIRVEPGIFENKWEAGETPTLM SLRELKEANFMTDTYRPAFPLSALMPAESYQETMDRCTASMVQ IVWTCQDITGVILIVSHGSTLDSCTRPLGLPPECCGQFAQLVR KIPSLGMCFCENKEBKWELVNPFFVKTLTGANAAPNWRNWS GN
6859	1	1150	GETMFKAKTKAKKPKRKS DSSGGYNLSDI IQSPSS TGLLKSG KINSVESLPHLLTSDSEGSYAGVGS PRDLQSPDPTTGFHSDKIE AKVCPYVNGTSFVYSREDLKPEKSPILKISAPQIPSNRIDTT SSASWVAGSPSPVSPVVDLRTIMEIESROKOGATPKSHLGKT VSHGVKLSQRQRMIALTTKNNSGMNSMETVLFTPSKAPKPVN ANASSLHVSSEKSPRDFLLERKSVTSHSGDHVKVSPKUIEN SQAPKIVRCSTHGTGPEGNHISDLP LLDSPNFWLSSSVTAPSM VAPVTFASIVKEELQEAALIRSRKPLALIQIEBHAIQDLVFP YRAGNPESFVIVERTPOGFLAVPMWKEGC
6860	1889	1515	DKDKERQKRGIFPKVATNIMRAWLFOHLTHFYPSBEQKQLAQ DTGLTILQVNNWFINARRIIVQPMIDQSNRAVSGGAAYSPEGQP MGSFVLGGQEMGIRPAGPMGMMRMGMDGQWHYM
6861	1889	1515	DKDKERQKRGIFPKVATNIMRAWLFOHLTHFYPSBEQKQLAQ DTGLTILQVNNWFINARRIIVQPMIDQSNRAVSGGAAYSPEGQP

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6862	2	471	<p>MGSEVLDGQQHMGIRPAGPMGSGMGMMDGQMHYM</p> <p>REIDREPHNKLKLEDKLEKQKBPVNGEDGSDGVDTQNSBENA</p> <p>DEEDPLGPNFYDETKSFFDNLSODNRERPTWAKERRLNAET</p> <p>PGIPLRPNRGRGGYRGRGGLGFRGGRGRGGGGTFTAPRGFRG</p> <p>GFRGGRGGREFADPEYRETTAFGP</p>
6863	2216	487	<p>PQEPALKESEPSQASNTIPLPLPQFNTCKDNPCKQVCSTVGGG</p> <p>AI CECFPGYALMADGVSCEDQDECLMGADCSRQFCVNTLGSF</p> <p>YCVNHTVLCADGYILNAHRKCVDINECVTDLTCSRGRKCVNTL</p> <p>GSFHCYKALTCEPGYALDGECEVDSCAMGTHTCQPGFLQNT</p> <p>KGSFYCQARQRCMDGFLQDPBGNCVDINECTSLSEPCRPSPSCI</p> <p>NTVGSYTCORNFILCARGYHSDGDKCVDVNECETGVHRCGEG</p> <p>QVCHNLPGSYRCDCEAGFQORDAFGRGCIDVNECNASPGRLCQHT</p> <p>CHNTLGSYRCSASGFLAADGERCEVDNECEAQRCSQECANTY</p> <p>GSYQCYCRGGYQLAEDGHTCTDIDCAQAGILCTFRCLNVEGS</p> <p>YQCACPEGGYTWANGRSCKOVDECALGTHNCSEARTCHNIQGS</p> <p>FRCLRFPCFPNYVQVSKTCERTTCHDFLEQNSPARITHYQLN</p> <p>PQTGLLVPAHIFRIGPAPAFGDTIALALIKGNEEGYFGTRRLN</p> <p>AYTGVVYIQRAVLEPRDFALDVENMLWQGSVTTFLARMHIFFT</p> <p>TFAL</p>
6864	2	2933	<p>LADSSPSNLQIITIKELSMHMQDPALTKREDYLPVDSRSSGG</p> <p>FVGLRNGGATCTMNAVFOQLYMQPLPESLLSVDDTDNPDDSV</p> <p>FYQVQSLFGLHLMESKLQYTVPENFWKIFPMNFKELVYRBQDAY</p> <p>EFFTSGLIDQMDLEYLKMGRDQIFKMTFGQIYSDQKICKDCPERY</p> <p>ERRERAPMALNLGVTSCQSLKISLDQFVRGSEVLEGENAYYCEKCK</p> <p>EKRITVKTICIKLSFSLVILHLMRFGPDWSEGRSISKYDQIRFP</p> <p>WMLNMEPYTVSGMARQDSSSEVGENGRSDVQGGGSGPRKKVALT</p> <p>RNYELVGVIHSGQAHAGHYYSFLIDRRGCGRKNYKFNPTVIR</p> <p>BFDLNDETLEYECFPGGYRPRKYVDQTNPYTDVRRRYWNAHLPY</p> <p>QRVSDQNSPVLKCKSRVSVVRQEARDLSLSAPSSPREISQSSPR</p> <p>PHRPHNDRLSILTKLVKKEKKGLFVEKMPARIYQMVREDNLKP</p> <p>MGNRDVYSSDYFSPVLSLASLWATLKHPTTPCHAKVSLQLAIQ</p> <p>FLPQTYLTRKKLRVDTEEWIATIRALLSKSFOACQMLVEYFIS</p> <p>SEGRELIKIFLLECNVREVRVAVATILEKTLDSALFYQDKLKS</p> <p>HQLLEVLALLDQVPEKCKCAQYFFLFTFVQKQIRAGDILL</p> <p>LRHSALRHMSIFLIGASQNNQIRWSSAQAREFCNLENTVALL</p> <p>VLESQVSSQRNVAPGIFKQRPPISTAPSSPLLPLEHVEALLPM</p> <p>SEGRPYLLEVMFALRELTSLLALIBMVVYCCFCNEHPSFTMLH</p> <p>PIKNOLETAPPHEIWTTPQLLHSLVIEDPIQVERVKPVFTEN</p> <p>GLLALMHSHNVDSRCYQCVKFLVTLAQKCPAAKEYPKENSHH</p> <p>WSNAVQWLQKMSHYWTLQSNVSNETS TGTFTORTISAQDTLA</p> <p>YATALLNKKQSGSSNGSSSPANENGDNHLQGSSES PMMIGRL</p> <p>RSIDLDDVP</p>
6865	1820	1242	<p>DPERNKHLSKVTPPGSSVSTFPVQVVRLOSPOSQSGSMMPSCNRS</p> <p>CSCSRGSPSVEDGKNYGVRSYLHLFVBYAVPPKLEGIQGEFLV</p> <p>LDQRAADYNQALGTCRLAGTALCVAAGVLLAI CLFWAMIGWLSQ</p> <p>DTKAEPLDPEADSHVVFGEDEPEQQLSPIFNASGQSNFSPAS</p> <p>PFGQSSVQTIQPKRDS</p>
6866	1571	495	<p>DCPRFPTLYGLRATCMRDLDMAWINAVSAFKALEQDLFVNICKP</p> <p>IIEGMERAGSVALRELVKKEKDRFPFGVDYIVISDNLNISQRKP</p> <p>AITYGTRGNSYFMVEVKCRDQDPBSGTFGGILHEPMADLVALLG</p> <p>SLVDSSGHLLVPGIYDEVVPLTBEHINTYKAIHLDLKEYRNSSR</p> <p>VEKFLFDTKKEILMHLWYPSLSIHQIEGAFDEPGTKTVIPGRV</p> <p>IGKPSIRLVPHMNVSAVEKQVTRHELDVFSERNSSNEMVVSMTL</p> <p>GLHPNLIANDDTQYLAARKAIRTVFGTEPDMDRGSTIPIAKMF</p> <p>QRIVHESVVLIPLGAVDGHSQNEKINRNNYIEGTEKLPAAFFL</p> <p>EMAQLH</p>

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6867	2833	1704	GTRIMSOPRQKRLAGFVRQKMLLDYSVVMGRCPVQESRSPORSF IQSABSSPTAGKKLPEVPPSESEBQRAWNALLGRIFWDFLGEK YWSDLVSKKIOMKLSKIKLPYPMRELTLTLEDMGVAVPKILOAP KPYVDHQGLWIDLEMSYNGSFLMTLETIONLTILGKEPLVEALK VGHIGREGCRPRAFCLADSDERSSSAGSSEEDDAPEPSGGDKOL LPGAEYVGGHRTSKIMRPFVDKITESKYFQKATETETPIKCKIE VSNTPILLTVFVQRCRGTLANVIPPPTTDRVWTGPREPPHVELK ARPKLGEREVTLVHVTDWIEKKLEQEFQKVFVMPNDDVITTIM BSANDPRSTSCLLKDPFVEAADQF
6868	1	346	RPTRPPTPRRYIKYLILFYISDNFVQDLCEDFYELFKTDKGFQ KATFESQSMVMRQILNLTQALRDGKSPQLVQIPCVIVERSQG GSGGRIVHLNSFTQTVNCRKPFSEW
6869	3	1619	MYMRMDKRALISFWESVEHLKMANENEIPQLVGEIYQNFVVE KELISVERKSLYKEIQQLVGNKGIEVFYKIQEDVYETLKDRYYPS FIVSDLYEKLIIKEBBSASOMISNDEMGPRDEAGERAVDDGT NQINBQSAFVANKLRELNEKLYKQALANSIQNAPKPKKIVSK LKDEIILIEKERTDLQHMARTDWCENLGMKASITSGEVTRE NGEQLPCYFVWVSLQEVGGVETKNTVTPKRLSEPHNLHRLSEC VPSLKQDOLPSLSKLPFKSIDHTMEKPNQNLKPLQNLISDER LQSERALYAPLSFSPDYLEKVIDVQKKNSFSLSSFLERLPRDFP SHQREETERDSLDSDYGDVDGREDALAEPCFNLIGETIFELRGM FRWVRRTLLALVQVTPGRTINKQIRDTVSWIFSEOMLVYYINIF RDAPWPNRGLAPPTTIRSEKOSQETKQRAQKLENTIDMLQSL VQONARHGIIKIFNALQETRANKHLLVALMBLLLIELCPRLRV HLDQLKAGQV
6870	1	1566	MAAVVAATRWQLLVLSAAGMAGSAPQPPNILLIIMDDMGWG DLGVYGEPSRFTPNLDRMAABGLLPNFPYSANPLCSPSRAALT GRLPYRNGPYTTNAHARNAYTPQEIYVGGIPDSBQLPELLKQAG YVSKIVGKHLGHRPQPHPLKRGFDEWFGSPNCHFGPYDNKARP NIEPVYRDNEWVGRYEEFPINLKTGEANLTQIYLQALDFTKRO ARHHPFPLYWAVDATHAPVYASKPFLGTSQRGRYGDAREIDDS IGKILELQDLHVAIDNTFVFTSDNGAALISAPQGGSSNGPFLC GRQTFPEGCMREPALANWPGHVTAGQVSHQLGSINDLFTTSLAL AGLTPPSDRAIDGILNLLPTLQGRLANDRPFYTRGDTLMAATLG QKHAHPWTWNSWENFPGIDPCPGQNVSGVTENLEDTKLPL IPLGRDPGERPPLSFASAEYQALSRTSVVQHQEALVPAQP QLAVCNWAVMNWAPPGECKLQKCLTPPESIPKECLNSH
6871	209	1126	RMSIANPPIFLRRSEENSSKPFVETKQSQTTSIASRDPLQNLCLAS QEVLIQIAQSGRSKCLKCGSSRMFYCYTCTYFVENVPTRQIPLV KLPLKIDI LKHPNETDGKSTAIHAKLLAPEFVNITYTPCIPEYE EKDHEVALIFPGPQSIISIKDISPHLQKRIQNNVRGENDDPDKPS PKRRTBQBPCLNDSRCKGTTLKCIIPIDSTWQTNKIPTDE RLQGLLQVELKTRCTPWRHQKGPOTFLSTIRAIYYPLVDYHT DILKEKYRGQYDNLFFYSFMTQLIKNAKCSGUKSTGKLTH
6872	880	459	FGLIMVVLISLPMKGNVREDLIFNLFKIGLDVRETNGLPGNT KELITTEYFVRQKYLEYERIPYTEPASYEFLWGPRAFLETSRMLV LRFLAKLHKDPQSWPPHYLRALARCEWEDTEDRDPDTGDSAHG PISRPPFR
6873	1929	955	DEQAVLCSKDKTYDLKIADTSNMLLFI PGCKTPDQLKKEDSHCN I IHTBIFGFSNNYWELERRRRLPKLKLKLLMENPYEGPDSQKEK DSNSSKYTTEDLDQIQASEREIMTQLQVINACKIGGYNRILEF DYEMKLLNHVTQLVDSESWSPGKVP LNTCLQRLGPLEPREMIEH CLECYGKKYVDEGEVYFELDADKICRAARMMLQNAVKNLAEF QEVWQOSVPEGMVTSLDQLGLALVDRHSRPEIIFLLKVDLPE DNQERFNSLPSLREKWTEDIAPIYIQDLGGERQTIGALLTKYSH SSMQNGVYVNSRRPIS

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6874	1	307	DSIADHVNSAAVNVEEGTKNIGKAAYKLAALPVAGALIGGMVG GPIGLLAGFVAGIARAALGGVVGPTGGKLIQRKKQKMKRLTS SCFDLPSQTDKICS
6875	1688	349	VIGTGERGNSASEKWEIMFNEELGDPPTIHSISLNAEHSIA TLLRLKEKEELDMKSGPVVSLFWVTISKQNDNKRYETIKRDI LRQESVFHYAAIEPDGNLMIVSYKSLTFVQAGDLERNDRDI SEKIKEPLYWQOTEDDLTVTIRLPEDNTKEDIQIQFLPDHINI VLKDHQFLBGLYSSIDRESSTWIKESNSLEISLKEKNGLYW VELVIGDQKQGLYRDSAQCAIAERIMHLTSEKLNFWFDKPKP CNAQKLEBCDIPFERSSSLCRFDGNTLKTTHVVNLGNSQYLPSV IVDPKEMPCFCLREDVDALLNQPHSSKQDMWEHIAITFALGYV QASKRDKKFFACAPNYSYAALCECLRRVFIYRQPAFMSTVLVNR EGRQVGVQVAKQVQVSLSTNDPILGFQATNRRLPVLTTKRLFI RVNTEN
6876	41	1285	VGEHTLIWRHLLRPLCLVTSAPRILEMHPFLSLGTSRTSVTKLS LHTKPMPCDPMPEYQVIFLVNSGSRANLAMILMARAHSNHI DIISPFGAYHGCSPTTGLTINVGIYKMLPGGTGCOPTMCPDVF RGPWCCSHCRDSPVQYTIKCKSCAPDCCOARDQYIEQFKDTLSTS VAKSIAGFPARPIQGVNVGVVQYPIGFLKEAPFLVRARGOVCTAN EVQTOFGRLGSHFWGPTHTDVLDPDVTMANGIGNGFTNAAVITT PELAKSLAKCLQHPNTFGGPMACAIGSAVLEVIKKNLOENSO EVGTYMLKFAKLKDFEIVGDVVRGKLMIGIEMVQDKISCRPL PREEVNQIHEDCKHMGLLVGRGSIIFSQTFRAPSMCITKPEVDF AVEVPRSAITQHMERRAK
6877	1	778	GTSPPARAYAPPTERRKPYQVNSITQGGGPRINLDHRKLTCP QAKLPTVPSEALAIATVATEWDSOODTIKYVTHMLTLCNTSLON PTQRNKDQLIRAAVKPLDITICRYVEEPETLVELQRNEWDPII EMAKRYGVVSSSTSIMGPSIPARTREVLVSHLASYNWALQG IEFVAQLKSMVLITGLIDLRLTVEOAVLLSRLEKEYIQKNGN IEMWHDYELQKLRARTAGTLPIHLCSBSTTVKRLIKE
6878	931	263	QTLQGDPRNRAEMIDPNIKNTESDAGKYRCVSAPEEQGN LEEDTVTLEVLVAPAVPSCVPSSALSGTVVELRCQDKGNPAP EYTWPKDGIRLLENPRLSQSTNSSYTNTKTGTLPNTVSKLD TGEYBCERNSVGYRRCPCGRMQVDDLNSGILAAVVVVVALVIS VCGLGVCYAZRGYFSKETSPOKSNSSSKATMSNDPKHTKSP II
6879	3	845	IRVIGESDIMQEPFLSESDENYNGVSDVELRVALPDGTTVTVRK KNTSTDQVYQAAIAKVCMDSTTVNYPALFVISHSPURKLAPNE PFHKLVIQNYTSAVPGTCLTIKKNLPTTBBILLNDNDLAVTYP FHQAVDDVKGYIKAEKSYQLQKLYBQRKMNVTNLMLTCSGY NEIIFPHCADSRKRGHVIATISITHFKLHACTREGQLENQVIA FEWDEMQRNDTDEGMAFCPEYARGKKPRNVKIPTPTPTMRE CFERYFCELKWKKEEY
6880	2110	1437	RRDNCTAKWTFPEAKWNTTARVPISHIRLGMGHVLIIVQCFISS MANIYNKILKEGNQLTESIFIQNSKLYFFGILFNGLTLGLQRS NEDQIKWCGFFYGHRAFSVALIFVTAFOGLSVAFILKFLDMPH VMAQVITVIIITTVSVLVFDPSPSLEPFLKAPSLLSIFITNAS KPQVPEYAPRQERIRDLSGNLWERSSGDGELERLTKPSDESD EDTF
6881	2638	2244	NDSKWDIHVITGALKMFFRELPEPLMTFNFNDPVNAIKQEP QRVAADVLDLIRQLPKPNQDTMQILFRHLRRVIEGKKNMTYQS LAIVFGPTLLKPEKETGNIAVHTVYQNIQVILLLELSSIFGR
6882	1	850	GIPBAQLNIYFVKSCKGVVPSAEACTAMGLRSGNLRDRFNLVIN QEGNMVTARQHFRLVLISLTCDGDTLFLSAAYTKDLLPIKTPT THAVHKCEVHGLEIEGRDCGEATAQWITSFLKSOPYRLVHPEPH MRPRRPHQIADLFPRKQIAYSDTSPFLILSEASLADLNSRLEK

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			KVKATNPRPNIVISGCDVYAKDSNDRLIGDVLEKRVMACSECI LTTVDPTGVMSRRKPLETLKSYRQCDPSERKLYGKSPLEGGYF VLENPGTIKVGDFVYLLGQ
6883	2794	2256	NSKILKLNQNLKLFITLTYYQVLSLHWGPGTHLQKRGAPVVTQNR ALQLLYDLRYLNTVLTAKEDEVKSGRSKPSRLEKVTDLRLALI DPFDLDVFTPHLANSNLERLVQRTSVLFGLVGTENQLAPRSSTF NSQEPHNLPLASSQIRPGLPLSMTSTREAKSTRNIETKAQYD ANC
6884	2	99	EFERVTAHAVKPKRTSEPRAAQRFCERKPPFL
6885	297	1554	STGQFHVHTDLMLDPTTHITODETKVCASSKGANASNPQPGDV LCDSPYQLILSAFDFTKNSGQRASPMIWTGDSPPHVPVPELSTD TVINVTMTTITQSLFNLQVFPALGNHDYHPCDQLSVVTSKV YNAVANLWPKFLDEBAISTLRKGPYSQKVTTNPNLRIISLNTN LYYQPNIMTLKRTDPANQPEWLESTLNNSQONKEVYI IAHVPV GYLPSSQNTTAMREYTHKLLIDIFQKYSQVINGQPYGHTHDSI MVLSDKKGSPVBSILFVAPAVTPVKSVLERQTNPNQIRLFOYDPR DYKLLDMLQYYLNLTEANLEGRSINWLEYILTQTYDIEDLQPS LYGLAKQFTLLDSKQFIKTYNYFFVS YDGSVTCDKTKAPQICA INNLDNISYADCLKQLYIKHNY
6886	2	1341	QGGIPGREGSSSRPLEEGTGSSPACVGAAPGSEDAFYPTTRAK QARVSQRLKKAARTVSISEGPTLGDGMERRETLALAPSPKFP LEKEACKWRPFRSASATSLTSLHCVDVVKGLLDFKRRGHSI GGAPEQRYQIIPVCVAARLEPTRAQDVLDAHLSEVNAVFPNPS LLATGGADRLIHLNWNVGSRLANQTLGAGGSITSVDPDSEGY QVLAATYNQAAQLWKVGEAQSKETLSGHKDKVTAARFELTRHQA VTGSRDETUKMDLGRAYCSRTINVLSCNDVVCDDHIIISGHN DQKIRPWSRGPHCTQVIPPQGRVTSLSLSHDQLHLSCSRDNT LRVIDLRVSNIRQVPRADQPKCGSDWTKAVFSPDRSYALAGSCD GALYIWDVDGKLESRLQGFPCAANAVAWCYSGSHMVSVDQGR KVVLMQ
6887	1047	116	WTARPSQKPPWRAGAVFGDPLSTGCSQAQLGSCCPRGPGPQHG GQQRAGPTLPRGRGGPQSGPLAAQPTPSKQVANRAFLTG TYRSQSPESPAGFPFGGTGWPEPAVCLCVAVGPQLSSPGLVY NAGSREHCYDIYRLVHSCADPTCGGTGPDARAWDYQACTEINLT FASNNVTDMFPDLPPTDELRQRYCLDTGWNVPRPDWLLTSFPGG DLRAASHTIFSNGLDPMAGGGIRRNLSASVIAVTIOGGAHLD LRASHPEDPASVVEARKLEATTIGENVKARREQQPALRGGFRL SL
6888	1	992	FVAYVKEIPIHIVVTHCLLNPEALVIRTLFTCLRDALFTVVRVI NFIKGRAPNRLPQAFPEIIGIEYSVLLPHEMRNLSRGQILTH IFEMYREINQFLHKSNNLVDGFENKRFKTHLAYLADLFKHLNE LSASMQRTCMTVSAREKLSAFVRKFFFWQKRIERKNFTNFPFL EBIIVSDNEGIPIAARITLHLQQLSNFFHGYPSIGDLNBSKMI LDPPLFNTDPVDSYLMKNDLAEHLRASQILMEFETMKLEDPWC AQPTAFENLAKTALEIIMPFTATYLCRLGFSITFTFQKVPRAA LILSDDIRVAISKKVPSFLGHH
6889	1	1534	LTLNQIKKRRQDNSESFNGHTSPLVSQNNBQGSTLRDLITTT AGKLRVGSTDAGIAPVYSMAQAPSSKSGRTMFINLDDI IASVV ENKI PPSKTSKINVKPBLKRRPERSIISAVDENNKLYSDIPHSW ICEKHILMLKDYKNSSEWLFKECWQGGQPAVVSQVHKMNISL WKAESI LDQFGDHDLLNCKDSIISNANVKBFWDFEVSCKRO KNKSGRTVVLKLDWPSGEDFKTMMPARYEDLLKSLPLPEYQNP EGKFNLAHLPGFFVRPDLGPRLCSAYGVVAADHDICTNLHI RVSDDVNIIVVGIARGNGLSEAGLLKRFEREDLDILRRRLK DSSBIPGALWHIYAGKDVOKIRFLQKLSKBBQGLEVLPEHDP IR DQSWYVNNKLRQRLLEKYGVRTWTLQPLGDAIVLPAGALRQVQ

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			NFHSCTQVTEDFVSPHLLVSPHLLTQRLRLKRRINYYDDKLOVK NLYHAVRMVRALKIHEDEVDDEEN
6890	3	667	THACGWIPLYLHRLVVRKTAETCNSEPPGAKDSLIFGATTCF TGFLGVDTGAGATRWCRLLKQBADPLVCAVGLGSAIFICLIFV AAKSSIVGAYICLPGVETLLFSNWTADILMTVVIPTRRATAV ALQSFTHSLCDACSPYLIGFISDLIQSTDSPLNEFLSLGYA LMLCPVVVLGGMFLATALFFVSDRABABQQVNLAMPASVK V
6891	1980	1262	LRHQRLSKRIKILRGITITSIHIGLAAGKQPMQDASNVNQ ILLKQSHLTYMDEINPEVRQAAAYGLGVMAQFGDDYRSLCSB AVPLLVRVTKRAHSKTKCNVIATENCISAIGKILRPKPCNVND EVLPHWLSWLPVHEDKREAIQTLSFLCDLIESHPVVIQPNNSN LPKIIISIIABGKINETINYEKPCAKRLANVVRQVQTSDELNLBC VSQDDDBQORALQELLNFA
6892	3	876	RSVAAAGPGAGWTDHYCLRLRRDYEGYLCSSLLPASESSV FALRAFNVRLAQVDSVSEKTCIGLMRMPQWKTVEDITYCDNPPH QPVAILKRAVKRHNLTERRMLKIVDEERKNLDDKAYENIKLE NYABNTQSSILYLTLEILOIKULHADHAASHIGKAGQIVTCLRA TPYHGSRRRVLPMDICMLHGVSQEDFLRNQDENVRDVIYDIA SQAHLLHLEHARSFHKTVPVKAPFAFLQTVSLEDPLKKIQRVDFD LFHPSLQKXNTLLPLYLIQSWRKY
6893	1	842	DGERKMSVVERTFSEINKAEQVSLCQRLCSRLAQDLQKRLKG RTVTIKLVNPNFEVKTRASTVSSVVSABEIPALAKELLKTEID ADFPHLRLRLMGVRISSEPNEDRKHQORSIIGFLQAGNQALS ATECTLEKTKDKFVKPLEMSHKKSFDKKRSEKQSHQDTFKC EAVNKQSFQTSQPFQVLKKMNENLEISENSDDCQLTCTPVCPR AQCCI SLEALNKHVDECLDGPSENFPMFSCSHVSATKVNKKB NVPASSLCRQDYRAH
6894	1742	1463	TTLCPLVPREHQFYETLPAEMRKFTPOYKGSQQLLEGLPHNRG DVRDRGHGRPWQPSLEPSLPPTLCPPSLSSPSSSWPSAQLHTPS VFNEW
6895	2379	478	VTVVLCGLASPTALIMRTVLDLIVDLQSTSEDEQQYTSQT TRLLALLYALASHEACKLAILHLINGTIKGDERTABIPQDLAL VRSFGDSVIRQCVETVTSLLQSLCDQDIALILPSSSEGSISEL EQLSNBLPNKEIMTSICDCLLATLANSESSYNCLLTCVTRMPL AHDYGLPHLSSSLRNSSALHSLKRVVSTFSKDTGELASSFL EPMRQILNSDTIGCCGDNGIMEVEGANTSTMSINAAELNQLL QSKRESFENLFLKLEKLVLEHSKDDDNLDLSDSVVGLKQMLSE SGDPLPLSDQOVPVLSAPESLQNLPMNRATAYVLADVMQDLKS MWPTFPQAEIDTDLDLVVDLIELSEKCCSDFDLHSELEERSFL SEPSSPGRTKTKGFKLGHKHEFTPTSSGKSHYIEPAKRAHV PPPRGGRGFGQGIKPHDI PRQRKQNTSRPPSMHVDDFVAAS KEVVPQDQIPPPKRLKVSQKISSRGGFSGNRGGRGAFHSQNR FTPPASKONYSRREGTRGSSWSAQNTPRGNYNESRGGSNFNRG PLPPLRPLSSTGYRPSPRDRASRGRGLGPSWASANSQSGGSRG KPVSGGSGRGRHVSPTIR
6896	1	555	GNIVTQKKYNKQHIIPLENVTIDSIKDEGDLRNGWLIKPTTB FAVYAATATEKSEMMHINKCVTDLLSKSGKTPSNEHAANVVD SEATVCMRCQKAKFTPVNRRHHCRKGFVVCGPCSRKRPPLPSQ SSKPVRI CDPCYDILLSAGDMATCQPARSDSYSQSLKSPLNDMSD DDDDDDSD
6897	3	920	GDGLMHEVVNGLMERPDWETAIQKPLCSLPAGSGNALAASIANHY AGYEQVNEEDLTNCTLLCRLLSPMNLISLHTASGLRPLPSVL SLANGFIADVDLESEKYRRLGEMRFTLGTFLRLAALRTYGRILA YLPVGRVGSKTPASPVVVQQGPVDAHLVPLEEPVPSHWTVVVDE DPVVLVALLHSLGSEMPAAMPGRCAAGVMHLPTVRAGVSRAML

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			LRFLAMRGRGRHMEYECPLYLVVFPVAVRLRPRDGRGVFAVDGR IMVSEAVQGVHPNYFMVSGCPEPPSWKPPQMPPEEPL
6898	919	346	QKTVTAVASLLKGGGCIYTENERRMGAVERPFIKIMLVLYICW LSHI INESLLPYLEMYTDINGGSLKPVRTAAKTTFIDGILNPA QGFLSLAFYGMTCGLGQSFRRIQWESLTTHAABGAHPSPL MPHENPASGKVSQVGGQTSDEALSLSEGSDASTIRHTABESC NRREGOPALPTHGDL
6899	120	827	MKVRKNDAYLLDKNKINDCFISCFPIKMLTTLMPSSHGILSL LEBGRYTFSLPCAYARSLITVFWVLEGGKVSVMCAKTGYASAI TFHTKPPYGGKLRHVTAERKHNITNTVVCVQGEWNSVLRPTYS NGETKYVDLTKLAVTKKVRPLEKQDPFESRLWKNVTDLSRES RIDKATEKHTLEKQRTESRHETETGTFTKTKYFIKEGDQWVY HKPLWKLIPTQPAE
6900	3	451	TEVLGSGIHELRSSTALHHALESASILLMPWRAALPSTHIP VLPGKVGESTERELLKELTKVSOQEQLLQSTTEHLKNAQQRSS MEQFIVSOLTRTHDVLKKARTLEVRKLLHQSEAPSLSPTHHP LADLVGDSWPAIRFOEK
6901	1	201	DDNNVQRLTDPIHTLQQQSTLEQNAANLNNVMQALKPYESRP SFPKAAQVLLKNSFYRYELGPE
6902	2	267	GAPPPFPSPQPPQAPSSHEPSDLTFNPSSALEGQAGAQA SDMPEPSLQDLPRLTNEDELKLSYLDPPDLPSNSDDLLSLFENN
6903	1	149	RYNOVYRQGPSTGTHLVIDQMVQNPQDESCFLPSTVKRESSDCY HIILK
6904	464	2092	MEASLPVSLSCVLACGDVEGRFDILFNRVQAIQKKSGNPDLLC VGNFPGSTQDAEWEEYKTOIKKAPIQTYVLGANNQETVKYPQDA DGCELAENITYLGRKGIPTGSSGLQIVYLSGTESLINEPVGYSP SPKDVSSLRMLCTTSQFKGVDIILTSWPKCVGNFGNSSGEVD TKRGSALVSSLATGLKPRYHFAALEKTYTERLPYRNHIIQEN AOHATRFALANVGNPKKKLYAFSTIVPMKMDAAELVRQPPD VTENPYRKSGBASIGKQLAPVERSAACOFFDLMEKQGRKRSS TGRDSKSSPHKQPRKPPQPPPCNPLASPEVEKHLVNNIGTH CYLALANGGLSDHVLILPIGHYQSVVLSAHVVEVEKYKATL ERFESRGRKWCVVFERNYKSHHLQLQVIVPVISCSSTDDIEDAP ITQAEQQLIELLPIRESDIKQIQPGAAFFVVELDTGERLPHR IKKNFPLQPGREVLASEAILNVFDSNRCQISKEDEBETLARR FRKDFEYDFTLDD
6905	1	226	VSKTGRAETITSHYLPALGVYRTLVLPFWIMRYHVEGPPDLIAI VAGLVQTVLYCDFYLYITKVLGKKLSLPA
6906	3	611	SYDDHGHGHDFTAAENLRKMYSLPADRFKTRRAGKCIIPAI ATTATVSGLVALEMLKVTGGYFPEAYKKNFLRLAIPVVPSTET TEVRKTKIRNGISPTINDRWTVBGRKDFTLDFINAVKRYGIE PTMVQGVEMLYVPVMPGHAJRLKLTMHKLKPTTEKKYVDLTV SFAPDIDGDEDLGPPVRYTFSHTD
6907	2	2228	LRGVVMAAGAFRFSGRSTSHLINSRQRITRYSGQDDGCS SSSGSSVAGSQSTLFDKSPLETLKRESSNMKRLSPAPOLGPSS DARTSYYSRLVHESWPPPRSSLEKLHGDANWGEDLVRERRROT GSSESRASGLVGRKATEDFLGSSSGYSSDDYVGYSDVDQSS SSRLRSVSRAGSLLMVATSPGRLEPRLYWNAGTTWYRLTAA SLLQVFLTRFSSLKTPINFLPLLLLTCLTYGANYFPYGLQ TFHPALVSWAAKDSRRADGHEARDSSPHQAEQVMSRVHSL ERRLEALAAEFSSNWQKRAMRLERLEKQCAPGQGGGGLSHED TLALLEGLVSRRAALKRDFRRRTAARIQEELSALEHQQDSE DLPKIVRASQSEARIQQLKSEWQSMQESPOESSEVKELRRLS DQLAGLQBELAALAKQSSVABEVGLLPQIQAVRDDVESQFPA WISQFLARGGGGVGLLQREEMQAQLRKLESKILTHVAEMQGRS

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			AREAAARSLSLTLOEGVIGVTRPQVHHIVKQALQRYSEDRIGLA DYALESGGASVISTECSETYETKTALLSLFGIPLWYHSQSPRVI LQPDVHPGNCHAFQGPQGFVAVVLSARIRPTAVTLEHVPKALSP NSTISSAPKDFAI PGFDEDLQEGTLLGKFTYDQDGEPIQTFFP QAPTMATYQVVELRILITNKGHPETTCIYRFRVHGEPAH
6908	3	780	QVPSAAMLMVAVCGLSRLGLGSRILGQCGAARLLYPRFQSRG PQGVEDGDRPQPSSTPRIPIKIYITICGDKGFSSTFTGERRPMD QVFRVAGTTDELSSAIGFALELVTEKGTFAELQKIQCTLDQV GSALATPCSSAREAHKTYTTFKAGFILLKELQWIDKYTSQLPFLT AFILPSSGGKISSALHFCRAVCRARRRVVPVQMGETDANVARY LRLSDYLFTLARYAAMKEGNGKRTYKKNDFPARESEGL
6909	3	409	GRLLAVGTDLYGQRSSAPEQELLVQDATTVVNSLLPEKAFSDIP SPYLRGTIRNMQAVRQAFQDQDRTWDGRPLTHAATFDDCLYA LCVVDITIKRSSQTGEWQNLAIMTEPEKLSPAYLISRAMRRSRMS LYC
6910	1	1068	LVPVVVLDISYYGKLV LAPINIVLYNIFTPEGPDLYGTEPNWYPY LINGPLNPNVAFALALLVPLTSLNEYLLQRFVQNLGHPYWL LAFMYIWFIPFIQPHKEERPLFFVYPLICLGAVALSALQHSF LYPQKCYHFPVQRYRLRHYTTSNNLALGTVFLPGLLSFSSRVA LPRGYHGLDLYPEFYRIATDPTIHTVPEGRFVNVCGKRWYRF PSSFLLPDNWLQFIPSEFRGLPKPFABGFLATRIVPTMDNDQ NLEEPSKYIDISKCHYLVDLDMRTTFRPKYSSNKEBWSLAY RPFLDASRSSKLLRAFYVFLSDQYTVVYNTILKPRKAKQIRK KSGG
6911	1184	966	GEDAREMETGNVANLISIPGSSPSSQLLRSPGGGRERREGEESG PEAARFGQICCDKPVLRDMNPSTAI VAF
6912	1	844	AMKPVETHSFQMLPTILSTGSAKQSVEDAYRCIKSSILLGSI SGGTDIISCFMGNHNSLPVYKGBIQARNLGMVAVANNEBGAVM GRSGGLVCTKPIPCQPTHEFNDENGNYKRYFSAKPGIWAHGO YCRINPKTGGIVMLGRSDGTLPNGCVRFCSSEIYNTIVSFERVE DSLCPVQYNYKREERVILFLRMASGHAFFQDLVKRIRDAIRWGL SAREVPSLILLETGIPYTLNGKKEVEAVRQI IAGKAVBQGGAFS NPETLDLYRDIPELQGF
6913	1643	1558	KKSHESHKEELSYGAQASLPLPCSDPR
6914	1251	615	ELAARCKSAGYPGTLPYRCILSNRRDILSMFSAYRSQBSGVDI CINNAGLARPDYLLSGSTSGWKIMPNVNVNLSICTREAYQSMK ERNVDDGHIININSMGHRVLPVSVTHFYSAHYAVTALTEGLR QELREATHIRATCISPGVVETQFAFKLHDKDPEKAAATYEQMK CLKPREDVAREAVIYVLTSPAHIQIGDIQMRPTBQVT
6915	254	652	GRSLSFKTFLLIWLISITQGGILMYGALVLPSEFPVHVVAISFT ALILTRLLMVALTVRTWNLMMVAVRFLSLGCVSSLAFLNEYFD VAFITTVTFMIVSAITVVSCLPLYVLKYLRRKLSPPSYCKLAS
6916	254	652	GRSLSFKTFLLIWLISITQGGILMYGALVLPSEFPVHVVAISFT ALILTRLLMVALTVRTWNLMMVAVRFLSLGCVSSLAFLNEYFD VAFITTVTFMIVSAITVVSCLPLYVLKYLRRKLSPPSYCKLAS
6917	254	652	GRSLSFKTFLLIWLISITQGGILMYGALVLPSEFPVHVVAISFT ALILTRLLMVALTVRTWNLMMVAVRFLSLGCVSSLAFLNEYFD VAFITTVTFMIVSAITVVSCLPLYVLKYLRRKLSPPSYCKLAS
6918	28	921	PEAGTRSWREPDPEDLRFLLSAACRSFPQNLPGGGGGQVSSCS DTDVPYLLAVSEPGRFAERQAVRETHGSPAPGIRLLFLGSP VGRAGPDLDSLVAESRRYSDDLWDPLDVFPNQTLKDLLLLAN LGRHCPTVSFVLRAQDDAFVHTFALLAHLRALPPASARSLYLR VPTQAMPLRKGPPFYVPESFPEGGYPAYASGGGYVIAGRLAPN LLRAARVAPFPFEDVYTGLCIRALGLVPOAHPGFLTANPADRT ADHCAFRNLLVRLPGQASIRLNRQLQDPRLQC

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6919	850	41	QGRRELSGSVFCFFIQOEPRKMLTSLYHERVRSQGGQLQQLQA ELDKLHKEVSTVRAANSEKVAKLVPQRLNEDFVRKPDYALSSVG ASIDLQKTSHDYADNTAYFWRNPSFWNYARPPVTILEPHVFP NCWAFEGDQGVVQLPGRVQLSDITLQBPSPSVHTGGANAP RDFAVFFLLSPFTHQGLQVYDETSVSLGKPTFDVESEIQTPHL QNDPPAAPPKVIQILSNNGHPPTCLYRVRARGVRTSGBAGGS AQGPH
6920	1418	591	RAQGSPKRVHILTKKKK
6921	2	1711	MNATESSEQPMVINHAQYTLREMYNLYKKQLCDVLLYAGHLRI PAHRLVLSAVSDYFAMFTNDVLEAKQEEVRMEGVDPNALSSIV QVAYTCVLQKEDTIESLLAAACLQQLTQVIDVCSNPLIKQLHP SNCLQIRSPGDAQGCTELLNVAKYTMERFIEVIRKQEPFLLEPA NRLSKLLCSDDINVPDEETIFHALMOWVGHVQNRQGLGMLLS YIRLPLPPOLLADLETSSMFTGDLCKLIMAMKYHLLPERR SMQSEPTKPKSTVGALYAVGGMDAMKGTITIEKYDLTWSWL HIGTMGRRLQPGVAVIDNKLIVVGGRDGLKLTNTVCFNPVGK IWTVMPPNSTHREGLVATLEGPMYAVGGHGWSYLNTVERNDP EGEQWNYVASMSTPRSTVGVALNNKLYAIGGRDSSCLKSMFY FDFHINKWSLCAPMSKRRGGVGVATYNGPLYVVGHDAPASMH SRLSDCVRRYDPKDSWSHTVAPLSVPRDAVAVCPGLDKLYVVG YDGHYTLNTVESYDAQRNEWKEVPPVNIAGACVVVVKLP
6922	1075	369	LTFFPAGIRHEVRDRERERERERERERERERERERERERER GLPPAMQKVMYKGLAPEDKTLREIKVTSKAKIMCGGSTINDVLA VHTPKDAQDQAKAKENKKEPLCRQKQHRKVLDRKGPEDVMP KGAEQLPTVPLSGMYNKGSGKVRITFKLEQDQLWIGTKERTK LPMGSIKNVVSSEPIEGHEDYHMAFQLGPTRASYVNVVPTQY VDAIKDTVLQKQYF
6923	2469	1660	LGLFCILPIDTLCAVLERDITLSIESRLFGAVVRWAEACQRO LFVTPGNEQKVLGKALSILRPPLMTIEBFAQPAQSGILSDREV VNLFLPFTVNPKEPRVEYIDRPRCLRGKCCINRQQVSRNGY SGTSDRIPTVNERISIVGFLYGSIHSPDYQVNIQIIEYERK QTLGQNDTGFS CDGTANTFVVMFKBPISILPNVCYTACATLKOP DSHYGTGLKRVVHETPAASKTVFPFSSSGNNMGTSIRDGQIP BIIPTT
6924	2210	1235	PEERVICPVHYLTAFHSGRKALAKKPYNPIIGETPHCSWEVP KDRVKPKRTASRSPASCHHEPMADDPKSYKLPVABQVSEHPP ISCFYCEERELCVNTHVMTESEKPMCMGVGSMIGCVLRLE HKEYVFTLPSAYARSILTI PWVELGGKVSINCAKYGYSATVIP RTEPPYGGKVRHVTAEVKHNPTINTIVCKAHGEWNGTLEPTING ETKVIDFTTLFVYPKIRPLEKQGPMEBRNLWREVTYLRIGDI DAATBQKRHLERKQVRERERENLRTFWKPKYFIQBGDGGIILQ SPLESTLMGLEVQSEPV
6925	2	1653	RGGAAGAAMEPDSVIEDKTIELMCSVPRLMILGCANLVESMCL SCLQSMPSVRCIQISNGTS SVIVSRKRPSENYQEKDLCIRYF DQMSBDDQVEFVEHLISRMCHVQGHINSYLPMLQRPITLALP EQGLDHIAENILSYLDARS LCAABLVCSEWQVISEGMLWKKLI ERMVTRDPLWGLSERRGNDQYLFKRRPTDGPNSFYRSLYPKI IQDIETIESNWRGGRHNLQRIQCRSENSKGVYCLQYDDEKIISG LRDNSIKINDKTSLECLKVLTGHTGSVLCQYDERVITGSSDS TVRVWDVNTGFEVINTLIBHNEAVLHLRPSNGLNVTCSKDRSIAV WDMASATDITLRLVLGHRAAVNVVD FDDKYIVSASGORTIEVW STSTCEVVRTINGHKGIGACIQYRDLVVGSSDNTIRLWDIEC GACLEVLGHEBLVRCIRPDNKRIVSGAYDGKLEWDLQAALDP RAPASTLCIATLVEHSGRVFLQFDBFQIISSEHDDTILWDFL NVPPSAQNETHSPSKTYTYISR
6926	1	733	SGRVAMDGLGLQFPBQGFAGPPLLPFPMGGHYRDCOSLGAPPL

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			DGYPLPTPDTSPLDGVDPAFFAAMPFGDCPANGTYSYAQVSD YAGPFEPFAGFMHPRGLGPEPAGPSIPGLIAPPALHVVYGAMGS PGAGGGGPGFQMPQHQHQHQHQHPPGPGQPTPPFPALPCRDT DPSQPAELLGEVDTEFEQYLHFVCKEPMGLPYQGHDSGVNLFSD SEGALSSVSDASSAVYYCNYFDV
6927	2	1484	LTLCGDIQLAQAANRRAAHLEEFHYQTKEDQETLHSLHRESS CQGFANATDLSTLHESQLSVSCCKCYAANEILQFRDLKSNPRH YVQVLKRMGNIRNIGVFPYNDAAALQSERLVSKSVSAAQQILW KKSFSCEFEGIHNFESIRDATNAALLCPTGLMRICQAHCCEA GDELKRFSPFEGLYNKAIDYTLKALRSLGTRDIRPAVHDSVN WELSTTYFTMATLQDYAPLSRAQEQIEKEVSEAMMKSLKYCD VDSVSARQPLCQYRAATIHRLASMYHSCLRNQGDEHLKQHR VLADLHYSKAALKFOLLKDPCKLLRVQLERVAFAEFQMTSQNS NVOKLKTLSGALDINVTETAPQLIQKELKEFGQPKSGDAAA ADASPSLNRREVMKLLSIPESRSLPILLQSIKLLSSTKKTENN IKDDTILKINKHISQLLRATANKTATLLERINVIHLLQQLAA GSAASENAVO
6928	1086	777	RAIDLNNLLQVMKRYSDKTLSHPNLQYQTNLDLRELECK IGERYITHESDRLMEKYAGEQLQYPTHLINFSASHSDTPETB ETENEALGERVSIL
6929	1749	607	RDQGYRDDRSFARFPGDVSARTSGGGGGRSATTAMPFPVFN NLHORDPDLRHNGNVVAGRPSCSRGPERRAIQKQPPAGRRSG RGFAAGGLCLQPPDGGTCVPEEPVPPMDWEALEKHLAGLQPRE QEVNRQGGARTNSTSAQKNERESIRQLALGSFFDDGPGIYTS SKSGKPSLSRLQSCMNLQICFVNDGSGDKSDADDSTETSLD TFLSPMSKQSSSYSDRDTTESESESLDDMDFLTRQKQLQARAM ALAMAKPMARKQVEVERKRRKSPVADLLFPMFHSI SECLNKRSL KPTDLRDMTIGQLQVIVNDLHQSIRSLNEELVQLLLIRDELHTE QDAMLVDIEDLTHAESQCKHMAEKMPAK
6930	131	545	PKDTANVFSVLQFMRNNFHYPIEPSQLKLYDVITNIVTQVAY STTVVPVFLSLIKPSLTFYSSWYICLHIGILVLLLPVKTKQR RKNTHENIQLSQSKKFDGENSLGONSFTTNVNCQNGBIASR HSSLRQ
6931	2	659	PVERLPHRPACILVASGAABGVSAQSFLHCPTMASTAFNLQVAT PGGKAMEFVDVTESHARWQDFRLKAYAPAKLESIDGARYHAL LIPSCPGALIDLASSGSLARILQHFSSEKPICAVGHGVAALCC ATNEDRSNWFDGSYSLTGPSVCKLVRAPGFARLFLVVEDFVKDSG ACPSASEPDAHVVLDRHLVTGNASSTVPAVQNLFLCGSRK
6932	2	1131	FVDSFGQGEQAEHEGGIQMNSRMRAHSPAGASVRESSESPKPK SDMCEGCRSLAAGHPGYLSDKETSIKYVSHQHPSEPOLFSIVR QACVBSLSCVCPGREGPIFFGDEQHGFFVSHTFPIKDSLARGF QRWYSIITIMMDRIYILINSWPFLGKVRGIIDELQSKALKVFEA BQFGCPQRAQRMTAFTPFILQRNGNAARSLTSLTSDNLMACL BTSFAMLLWACGSLTEKLECAPTEDTLVQMEKLADLERESSES WINSKARREERAPVLPSTEGRELTCQPARSSSLSCGGSWQPRK LPVFKSLRMRQVGGRTAHHELRRRANHGLCLPTRLASGPSTL ETLQEVTDLSLLGGWMAQGVGGII
6933	1431	890	SINLHCTLPPFPHQYPAGYPSDKGKKPKGQSKKQPSGTTKRPY SDDDCPSASKVYKASDSAAKTRAFQLTPQQHLIREDCQNKGLW DEVLSHLVEGPNFLKLEQSPMCVCCQLVYQPVTECFHNVC DCLORSFAQVFSACPACRDLGQNYIMIPNEILQTLLDLPFFGY SKGR
6934	3030	2588	DRHSCQCGIRVALARVSSVKLISKAKIRTVMTPIIVLAFIV CWTPFFVQMWSDANAPREASAPIIVMLASINSCNPNWYM LFTGHLFHELVRFLCCSASTLKGRRGETSASKKSNSSSFVLS HRSSSRSCSQPSTA

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6935	886	543	NSALYVAGGNDGTSCGNSVBRYSPPKAGAMESVAPMNIRRSTHDL VAMDGWLAVGENDGSSSLNSIEKYNPRINQVVAASCMFTRRSS VGVAVLELLNFPFPPSSPTLSVSSTSL
6936	1347	567	ESHRRQFLSRALLEFPFGKSHPPPHRLPRSLNVGLHYSHYVPLT TCLHFLRKLQKGBVGLSVETSFKQVFPVGLSRKKVPQSPNATV MEKRLQEAQLYKKBGNQRYREGKYRDAVSRYHRLQLRGLDPS LPSPLNLGPQGPALTPBQHNLHTTQDCTNNLAACLLQMPV NYERVREYSQKVLBRQPDNAKALFRAGVAFPHLQDYDQARHYLL AAVNRQPKDANVRRLQLTQSELSSYHKKQLYLGMFG
6937	1	727	AVEPRCCPGRDPACFARGWRLDRVYGTGCFDQACRFTGDCCFDY DRACPAPPCFVCEWSFMSGCDAQCKPTFRVRRSVQQBPQWCGA PCPPLERAGCLEYSTPQGGDCGHTYVPAPITTSAPNKRTRQA TSPHSTHTEDAGYCMFETBSLTPRCALENRPLTRWQYLREB YTVCDQCQPPAMNSVSLRCSGDGLSDGQTLHWQAIGNPRCQG TWKVRVDQCSCPAVHSPTFI
6938	3	719	NSRKLKLAERVDTPFMQLKRRQSSSEKENDSGTLDTGVAVVVDH EGNVAAVSSGGLALHIGFVGGQAAALYGCCNARETGAHNPYST AVSTSGCGEHLVKTILARECSHALQAKDAEQALLETHQNKFISS PFLASEDGVLCGVIVLRSCRCSEAPDSSQERQTLLEFLMSHTT ESMCVGNMSAQDGRKATHISRLPPGAVAGQSVIEGGVCRIGRP SELTQAECEASQRHPT
6939	3	810	KVTAPRRPQRYSSGHGSDNSVLSGELFPAMGRTALPHHGGSS GYESLRDSEATGSASSAPDSMSSEGAASPGARTSLKSPKKRA TGLQRRRLIPAPLPDITLGRKPSLPGQWVDLPPPLAGSLKEPP EIKVYRIDDDVERLQRPPTPREAPTQGLACVSTRILRAHRRQQR LREVDQAKHKLCEBLAFTQGRNLLEPGRWLBQPEVDPELEPESA EYLAALERATAALEQCYNLCKAHVMVTCPDISVAASAAIPGPQ EVDV
6940	1188	496	GQMAAQPLRHRRCATPPRGDFCGGTERAIDQASFTTSMENDTQ VVKGSSPLGPAGLGAKEPANGPQLPSWLQPERCAVPQCAQCHAV LADSVELAMDLSRLGAVVVFSEVTNNVLRAPFLVGIKSGSLKGS TYNLLFCGSCGIPVGFHLYSTHAALAEGRHCLSSDQWVCYLL KTKAIVNASEMDIQNVPLSEKIALREKTVLTHNRLKSLMCTLS EVTTPDQSEKEN
6941	1	713	SLSRADSDPHGPHTCGHVILNVIIGSNVLALAAQROQABALGYQA VVLSAAMQGDVKSMAQPTGLLAHVARTRLTPSMAGASVERDAQL HELAALQIPDLQLEALETMAWGRGPVCLLAGCEPTVQLQSSG RGGRNQELALRVGAELRRNPLGPIDVLFPSGGTDGQDGPTAAG AMVTPKELASQAAAGLDIATFLAHNDSHTFPCTLQGGABLLHTG MTGTNVMUTHLLFLRPR
6942	1	246	GDYVERYDPKTDITWNGAPLSMPTNAVGCCILGDRLYADGGYDG QTYLNTMBSYDPQINERTQMASLNIQRACQCVVIRQP
6943	1	739	PNATGDGARTLAHVKALTADSIRITWKATLPASSFRLSWLRIG HSPAGGSITETLVQGBKTEYLLTALEPKTYIIICWVTMETTNAY VADETPVCAKARTADSYGPTTLAQEQNAGPMASLPLAGIIGGA VALVFLFLVLGAICWYVHQAGELLTRERAYNRGSRKDDYMESE TKKDNSILEIRGPGQLHLPINPYRAKESYVVTIIPPSNGSSLCK ATHITIGYGTTRGYRDGGIPDIDYSYT
6944	960	156	VANILLNGVKYSESLTGSSERAEQPLSVGRCLSTICNMPKALRT LCVNHPLGWLSPFGMLLPYTDPMGEVVFQGDPKAPHTSBAYQY NSGVTHGCGMCIYAFSAAFYSAILEKLEKFLSVRTLFPYIAYLA FGLGTGLATLSRNLVVLSCITVGIILFSTLCTLPYSLLCDYVQ SKKFASSADGTRRGWVDISLLSCQYFLAQILVSLVLGLPILSA VGSANGVMYFSSLVSPGLCLYSSLEFVIVETPPSDAADERHRLPL LNV

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6945	2067	179	EGEDRGILFRTMCAALGTGTETLAPWPGRACGALFRWTPPTAPAGCC HSPKGPAPRPVPLKKGIDVTNPHLMKGMATLEERLQIGIHGL IPPCFLSQDVQLLRIMRYERQSQDLKXYILMTLQDRNEKLEY RVLTSQVEKPMPIVYTPTVGLACQHYGLTFRPGLFITIDRKG HLATMINSWPEONIKAVVVTDGERILQIGDLGCYGMQIPVQKLA LYTACGVPNPQCLFVLLDVGTTNNEKLRDPLYIGLKHQRVHGK AYDDLDEFMQAVTDKFGINCLIQFEDPANANAPRLNRYRKY CMFDDIQGTASVAVAGILAAALRITKMLSNHVPQPGAGEAAM G\IAHLLVMALE\KRGVPEA\BATRKIN\WVDF\KGLTVQGRDH LNEKEMFQAD\HEFVHSLSEVVHLVKPTALIGVAAALAA\PTB QILRDMASPHERP\IIFALSNPTSEKACTA\KCYRVTEGPRGF FAS\GSPF\GVLIWEMKTFIPGGRGNA*RVPRGNQLGVHSPG GDPCGHP\DELFLPDSRAKLPQEVSEQLSQGRLYP\PLST\IR NVFLRAIAIKVFD*GYKEELV\SYTPEPKD\KRAFCKIPQSYTFD YDSFTT\VDGYTNAQGMAMVQTV
6946	133	2551	SCRYSGITVAPGDPFGVAHLAFPSMASDTPESIMALCTDFCLR NLDGTIGYLLDKETLRLHPDIFLPST\CDRLVNEVVLVNAAC NE\EPHE\SPFNPLFRDPKQPASRRIL\KRD\LVQD\QD\LE AIREQDL\VEL\VLIN\CEKLSAKSLQTLSPSHITLGV*AFPG C\TNILLRKEHPGL\CEDEYLENPTCQVLVDPTFCPSRLR P\LELGRMIDVVPES\LLRPLNELAALDLEGITQSDAA\PLTQ WEDSL\VSLVL\YMDLEDMDIIR\VTQLERLRLDLSRDLSS YYKPKLREVLISLFPVQKGLHMSLDISG\EMILENCISIKIGR EAGQTSI\EPK\SSIIFFEGFEGGLPQ\LGVF*GIFCGRILH IPAYKVSQDENRQVLAIEAXTEHREFTSRALNLLFDLRIE RCNQLLRALKLVI TALKCHKYDRNIQVTGSAAFLYLTNSEYRSE QSVKLRQVIQVVLNGMESYQEVTVQNCCLTLCNPSIPEKLEF QYRRVNEILLSILNPTRODES IQRIAVHLCNALVCQVNDHKEA VGKNGFVVMKLKLTQKLLDETCDQVMEPEW\SALANNITDET NCEMFLANFNKLPDLCINBFPEQELHNMMLGLLGNVAVKEL RPQIATSQFISVPSNLLBSKADGIEVSYNACGVLSHIMPDGPEA WQVCEPQREVEKRMWAAIQSWDINSRRNINYSFEPILRLPO GISPVSQHWATMALYNLVSVPDREYCPILLKGGMPLLRDI IKM ATARQETRMARXVIEHCNHFKEENMDTSR
6947	2	1682	TSVSTIPGILASARFQSGSWRCFPVWRRBPGRARGRLKMLNVP SQSPFAPRSQQRVASGGRSKVPLEQGRSLMDWIRLTKSGDLTG LKGRLIEVTEKELKHEKEDCWCICRGFPVYNVSPYMEYHPGGE DELMRAAGSDGTLEFDQVHNVNVE-SMLKCLVGRMAIKPAVLK DYREKKKVLNGHLPKSVQVTDLAKBGPSPSYDWFQDLSVTI /KHII*TEGYQFLNNS*SSB*FLYSRNNY*GLLISYTYW/R*A MRFRKIFLOGL/CBSVGKIRIVLQKKEFTSWDFLGHPLNHS IPKDTGLYRRCQLISKEDVTHDTLPLCLMLPPSTHLQVPICQ HVYLELPITGTETIVKPYTPVSGSLLSEFKFVLENNKYTYFLIK IYPTGLPTPELRLQIGOFVSESPBGNPKISKQLEDLFLA AGTGTPMVKILNYALTDIPSLRRVKLMPFNKTEDDIINRSQLE KLAPEDKRLDVEFVLSAPISENNGRQGHISPLLSEFLKRNLPK SKVLVCICGVPFTEQGVRLHDLNPSKKEIHSFTA
6948	104	58	PDGAHSFPDFEYPTCSSLCLSCGVGCKSKSMHCKRGVPHEAKSR CRYSHQYDNRVYTCACYERGEVSVVPKTSASTOSPMMOLAKY AMSGYVIECPNCGVYRSRQYWPGNDPVDTVVRYEIVHVPQT DGFLKNNNAQRLLDGMNPMASVSRLSGPTKAVTSHLTDQI APAYWRPNSQLSCNKCATSFKDNDTKECRACGEGFCDCSSK TRPVFERGWGAPVRVCIHCYEAR/TRPVSCYRGTSGR*RRRET QETVE
6949	152	4656	GLRLCLSRPLTRPGDDSVGGSAMASGAGGVGGGGGCKIRTRRCH QGPIKPYQGRQQRQGLSRVTSVRKNIVGMLQRYFNKNEEDVC

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			SCSTDTSEVPFENKEDHLYADESSNITDGRITTFPAVSNT BEPSTTSTAST\YPDVLTRVSLYRSHLAFPMLESPALHCQPSTS SAFFIGSSGFSLVKEIKDSTSQHDDNNLSTTSGFSSRASDKDIT VSEHTSLPPLNSPEARSHSLQHTATSSKQAFNLAPGTLSP SLGSSILKTSQIGDSPYPFGRTTYGGAANAARQSKLNTTPYDA FVERQKAKQLSAQSYGVTSSTARRILQSLHEMSSPLADAKRIP SIVSSFLNSPLDRSGIDITDPAKREKVDQYPPVORLMTPKPV SIATNRSVYFPKPSLTPSGFRKTNQRIDKCKSTGTENMTFGUN HEQRESGFSTPNFSLPAANGLSGSGGGGGKMRERHAPVASKP LEEHEMEGVPLKISLPITSSSLPTFNPSSEBITTSSPSPINSS QALTNKVQMTSPSTGSPMFKFSSPIVKSTRANVLPPSSIGFTF SVPVAKTARLSGSSSTLEPISSSAHHVTIVNSTCKETPFEDC EGPFRPABILLKSGSVLDILKSPGASPKIDGVAQAQPTATSPVY TRPAIESPSSSGIGFESLKGSSWQCOTCLLQMKVTDNKCICAC QAKLSFPRDTAKQTGLETNPKESKTTLSASGTGPGDKFEPVIGT WDCITCLVQNKPEAIKCVACETPKFPGTCVRALTLTVSESAET MTASSSSCTVTGTLGFGDKFARPIGSECSVCCVSANAKDNKC VSCHEKPGSSVPTSSSSTVPSLPSGSSGLKELFKKPEGIWDC ELCLVQNKADSTKCLACRSKPKTRSGFTGFTSSSSSSSAASS SFPFGVSSSSSGPSQTLTSTGNFRPGDQGGFKIGVSSDSGYINP MSEGP*FSKHIVQPKFVSSSEKPEEVKDSKENDNPKFGLSPGL SNEVFLTPFGVENVLQGRKKKELLKSSCAGFRTGTGVINSTR VPANTIVTSNKSSFNLOTIETKSVSVAPLKQQTSEAKKEMPA TKGGPFGNVBPASLPASVPLGRTTEKQKQBPVTSLSLVFGEK KLIMKPKC\QPVFSGFEGFQRTKDNSSKSTFSFMTKPSKE SBQPAKATFAPGAQTNTTADQGAARKPDLISYLANSSSSSTPAT AGGG\IFGSSSTSSNPPVATFVFGQSSNPGSS\AFGNTAESST SQSLFLPSQDSKLATTSSTGTAVTFPVFGPGASSNNTTSGPFG ATTTSSSAGS9FVFGTGPBAPSASFPAGANTPTTQSQGASQP NPPGFGSIESSTALFPTGSPAPPTFGTVSSSSQPPVFGQGPSQ SAFPQSOTTPSSSAPFQGSSTTNFNTNNSPSGVFTFGANSSTP AASAQPSGSGGPPFNQSPAAPTVGSGNGEVFSSSGTSFSGRKIK TAVRRRK FRPGSRSGLCRAAGERCAVRAGCLSRRTAE*IMDELHYQDTS DVPEQRDSKCKVWTEREDQLRALVRQFGQDQWFLASHPNR TDQCCQYRNLRLVLPDLVGGPWTRKEDQKVLVVKYGTQWTL LAKHLRCRLGRQCRERWNNHNLNPEVKSCWTEREDRIICRAHV LGNRWAEIARMLPGRTONAVKNNHNSITIKRKVDGGLSEKDC KPPVYLLLELEDKGLQSAQPTGGGSLTBWPSVPTTIKEEN SEBELAAATTSEKQEPFGTDLDAVTFPEPLEEPKREDQSGSP ETSLPYKVVVEANLLIPAVGSSISEALDLIESDPDAWCDLSEF DLPBEPASRDSINNSLVQLQASHQOQVLPFPQPSA\LVPSVTHY RLDGHTISDLSSSRGELIPISPSTEVCSSGIGTPPSVLEKQK ERVALSPVTENSTLSPLDSCNSLTPKSTPVKTLFPSPQFLNP HNKQDTLELESPLSTTPVCSQKVVVTTPLERDKTFLHQHAAF VTPDQKYSMDNTPTPTPFKNALRYGPKPLPQTFLBEDLKE VLRSEAGIELIETDITPEKQKPKGLRSPDKKVRKSLALDIV DEDMKLMNSTLPKSLSLPTTAPSNSSSLTSGIKEDNSLLNQGF LQAKPERAAVAQKPSHFTTPAPMSSANKTVACGGTRDQLPMQB KARQLLGRLLKPSHTSRTLLS
6950	2585	411	
6951	1940	239	AGPDDTKRSLOALYQQLSFLILALTRALAPAIQBPSPRESL QVLESGTPPGTMVTAPEHSTRHTSVVHLTPNPDGPPSQAAAPMA TPTPRAEGHPPT\TPSPPSLRQ*PPPILKAP/SSTGPAPAMAT TSKPPEGRPGQAAPTILLTKPGATSRPTTAPRITTRPPRP PGSSRRGAGNSSRPVPPAPGGHSRSKEGQGRNPSSTFLGQKRP LGKIFQIYKGNFTGSEVPEPSTLTPTPLWGYSSSQPQTVAAT

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			TVPSNTSWAPTTSIGPAKDKPGLERAAQGGSTPTSQGGTPDA TAASGAPVSP/PSCPSPAFSAFPPR*PTGWPQ*LLAYCYP\CT SRPLSTSSGVFTAATGPTPAFDTSVSAPSQGLPQCASTTPOAP THPSRVSESTISCAKEETVA\PS*PTGCPVLSQWYTPQQAIS STAWSPPGSLGQGGTSPMWPEGTNRSTEPSA*ARNLSPG*S WPSACPSPP\LCPADGVLEHEEEDRQPGEQPEAYGNTHHPGT TPOQAC\BGAAPGBIPVFLKPLRLQLSKPSANGDYRDTGNVP C
6952	658	304	PESEGESGENTORYTTHSLEHLQSKYIGT\ATPTFPSCSG\CS PTPRVLVLLHSGPLRPSQLLHROGE*EQSAPLQLOGKDASALWT ASRQARGELRLCLTAVRGTSPPSVSPVCQSS
6953	1512	349	HWKTRALASGKHVPFGKYNPNKS/VHCS*G**RRTTODBS FSPHPRGDMGVV\KLEKELENTSQPVGGNEG*EBEVTGNLNSD PLLELCQCPQLDQCSREQLIARVQHTAAVVSASXM\CPVC GRALSSPGSLGRHLLHSEDRSHCAVCGARFTSHATFNSKLP EVLHMSLFTVNEGPPSSABGKDIAFSPVVPAGILLVQWCAA YRGLLEAQTSPVRKVALERQREPLEVRLQLEKERTAKSRRLN ETPREREVRMRDRKAKLQRMQETDEQARBLQDRBAMRLKR ALETPEKROARLIRERAKRLKRLKEMDGLAQFGQDPSAMA ALAAEMFPQLPVSQVGLDQLQIMAPREQNSSLSH
6954	819	1	PPFPPTIPSHPREAGT*AG*KESGDSCESEFFVQ*A*TRAAQCN *PQR*RWTEGNSPOASAVATPGQASPAARCTP*PSRHRRLP PGARPPAG*AAPAPTKPWLGPASAPQGAAPLSPAPPLIRTR *CAGAAARGRPDRDRSPRPTGCGCSWSEPTPPAVSASAQTPS DAG*AGGR*GQRQRPSTGR*PPCVGAGRSRREGTIPGNPHPR AS*RAGWQR*PGP/REWGL*EPQGEKMSGGPGGAPPNQVSS VMQAMSTGI
6955	1968	782	PPGRRQVRAQVAGAFVQUNGTRARQVKTGRRRRARKTMPLQDD WRSPGNSWIKTEGDKRCESCSQKLERENHCHNISHSIILNSED GRIFNNEHEHYASKKRKKDHFRNDTNTQSFYREKWIYVHEESTK ERHGYCTLGEAFNRLQPSAIQDIRFNTYVILLQLIAQSOLTS LSGVAQKNYFNILDKIVQKVLDDHNPRLIKDLQLDLSSTLCIL /N*RSREVCISGKHQYLDLP IRNYSRLATATGSSDD*ASE\NG LTLSDLPLHMLNNILYRPSDGDWLLTLGQVPTLYMLSEDRQLW KKLCQYHFAEQPCRHLLISEKSHIEWKLMYFALQXHPAKBQY GDTLHFCRHSILPWKDSGHFCTADEDSCTFVSPQHFIDLPK F
6956	8605	3839	QTSTSIYASPTSPVVLGESVLQDMSFDLNGSDABQREMTQSS DPPPSLTQPAFDQSSSTIQLHPATSPAVSPPTSFAVSLVSPAS PEISPEVCPAASTVVS PAVSVVS PASSAVLPAVSLVPLTASV TSPKASPVTSFAAAPPTAS PANIDVBSFLETTADVBEITGBGLT ASGSGDVHRRRIATPEBVLPLQEGWRRBVLKGSRRNQGETW YYGPCGRMRQFPFVIRQLSENVVHVSVRREHPSFSFRMPVGDYF EEDTPEGLQNVQLSARKI PSRIQAITGRGRFPNTEKARTKEV PKVKGGRGRPPKVITTELLNKTNNRPLKLEAQITLNEEDKAKI AKSKKMRQKVORGEQTTIQQOARNKQKQETKLEQKEARKKS KAKKKGKTKQEKLVKVKRKKKVKVKKKEVTRAKPACKAD XTLATQRLRERQRMILKEHKIPTEDMCLTDHQLPDPSPRV GLTLPSGAFSDCLTIVEFLHSPGVKLGFDPAKDVPSLQVLQBL LCQGDGLGEVODLLVRLKAALEDPGFPSTCQSLKILGEKVSEI PLTRDNVSEILRCPLMAYGVRPALCDRLRTQPPFQAPPPQKAAV LAFLVHELNGSTLLINEIDRTLSMSSYRNKNIVBORLRLLET VLAARTGRSEVMEQPECLGRERSRIMEVTSMEHEHEKESI AAVPGRRGRDGEVDAASSIPELERQIEKLSKQLPFRKKLLH SSQMLRAVSLGDRYRRRYNVLPYLAGIFVVGTEGNLVPBEVIR KETDSLKVAHAASLNPALPSMELAGSNYTTASSPARAGRPK

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			TKPGSMQPRHLKSPVRGQDSEQFQAOIQPEAOLHAPAQFQFOLQ LQLOSHREGFLBOEGSPLSLGQSOHDLQSASFLWLSQTQSHSSL LSSSVLTVDSSPGKLDPAQSPPPEPEPEDEAESPDQALWFI SAQMPCHAAPTPPFAVSEDDQPTSPQQLASSKPMRPSAANPCS PVQPSSTFLAGLAPKRRAGDPGEMPOSFTGLQPKRRGRPFPSKY FKQMSQRYLTQTUQPVFPFMCSGNWWIRDFPMLDANLKALEPR GIREKALHEHLNKHRLDPLQEVCLRPSADPFPFPRQLPAFOEJIM SWSPKERTYETDLAVLQWVEBLBQRVINSIDQIRGWTCPSPDST REDLAYCHLSDSQEDITWRCRGREGLAQPKCTNPDLDAVMRL AALBNVERRYLRPLNPTHEVVLKALLSTPAGAPEGTTTITIS YEITPRIHVWQTLERCRAAQVCLCLGQLERSIAWEKSVNKVT CLVCRKGNDKFLLLCDGCDRGCHTYCHRPMEAVPFGDWEPTV CLAQOVEGEPTQKPGFPKRGQKRSYSLNFSBEGDGRERVLLR GRESFAGGPRYSBGLSPSKRRRLSMRHHSDLTFCBITLME SHDAANFFLEPVNRLVSGYRRIKENPMDFTMBERLLRGGYTS SEETAADALLVFDNCQTFNEDDSVKGAGHIMRRFPF\SRNRRP YQGRQGSVRQGRAGVTLMHLPPPTQTKTCHFLMLPFWVTQV RYNPDF
6957	82	3514	HLIVAMDEPTKGRNRPAPAPPPPEPSKPKRAGTTTAKDWTIV ETPPGEBQARQANSQLSILP IIRKPGGTVKVGEDITFIAKVA EOLSEKPTINGSRKWMDLAKAGHILQKBTPEHRSKVTTFEMQ IIRAKDNFAGNYRCVITYKDFDSCSFDLHVHSTGTTFNIDIR SAFERSGEGQEDAGELDFSGLLKRRRERVKQEREPQVDVWELLKN TEPSEYKELAFQYESPTCSGMLKRLKRSIRREKCSAAPAKILOP VYQVDEKGRVRFVVELADPKLEVKWNNQQLRPSITYIPEOTR CQSILNIDNCQMTDSEYVYTAGDEKCSKELLVREPPIMVTKQL EDTIDYCGKRVELECEVSEDDAQVWPKSGEETILLQTRYIRIR BGRKHILILBQATKADAADYSVMITGGQSSAKLSVDLKLKILT PLTDQTVNLQKEICLRCBIBENIPGKWTENGLPVQESDRLKVVH KGRTHKLVIDHALTEDEGDIVVAPDAYNVTLPKAVHVIDPPKI I LDGLDADNTVTIAGNKLRLIPTISGRPPPKAMNSRGDKAIMBG SGRIRTESYFDSSTLVIDIARDDSGVYHINLKNEAGEAHASIK VKVVDPPDPVPVATVTEVGDDNCINWEPAYDGGSPILGYFIE RKKLQSSRMRLNFDLCETTPPKPKMIEGVAYEVRI FAVNA\I GISKPSMPSRPPVPLAVTSPPTLLTVDSVTUTVTIMRWPPDHI GAAGLDGYVLECYFEGSTSAKQSDENGEEAYDLPAEDWIVANKD LIDKTKPTITGLPTDAKIPVKVAVNAAGASRPKYTSQPILVKE IIEPPKIDSPKHLKQTYIRRVGDRVILVIPFGKPRFKLTWKD GASIDKNQINIRNSETDTIIFIRKAERSHSGKYDLQVVDKPVF TASIDIRIIRDPGPQIVKIEDVNGRNVALTWTPPKDDGNAAT GYTIQKADKSMWLRVIRHILEPVPHTRLVIGNEYYPFVFSN MOGLSEDAIMTKRSVILARDGKIYKNPVYEDFPDSEAPMETQPL VNRLCHSGYMATLNCVSRGNPKPI TMMKNVAIVDDPRYRMP NQGVCTLEIRKPSPYDGGTYCCKAVNDLGTVBTECKLEVKVIAQ
6958	274	1663	PRTSRVKTGSGSSAMDFSVKVDIEKEVTCPICLLELTPLSL DCGHSFQACTTAKIKESVILSRGESSCPVQTRFQPGNLRPNR HLANTVERKVEVMSPOBQKRDVCEHGHKLIQFCKEDGKVIC WVCELQSEHQGHQTFRINEVVKCEQKQLQVALQRLIKENQEAR LEDDIRQERTAMNYIQIERQKILRGFNEMKVLDMEBQBELQK LEBGEVNVLDNLAAATDQLVQQRQDASTLISDLQRLRGSSVEM LQDVIVMKRSBSWTLKPKSVSKLKSVPFVFDLSGMLQVLKE LTDVQYYWVDVMLNPGSATSNAISVDQRQVTRVCTCFRNSNP CDPSAPGVGCGQYFSSGKYWEVDVSGKIANILGVHSHKISSLAK RKSSGFAPDPSVNYSKVYSRYRPQYGYWVIGLQNTCEYDAPDS SSSDPKVLTLMFV\LPVVLGFS
6959	1	1469	SLVHVVEFGRGIEDPPYLPQLTHCQQRICSVTQAGVQWCDHSS

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			LQPTPGLNQSSHLSSLSSRDYRMLSSFNENFMQDRFNLPPNVT WTELEDGRCRVYPHPODLAALPLALVLLAMRLAFERFIGLPLS RWLGVRDQTRQVKPNATLEKHFLECHRPKRPQLSLLAAQCGL TLQQTQWFRRRRQDEPQLTKKPCASWRFLPYLSSFVGGLSV LYHESWLFAPVMCHDYFNLTLSCPAADSEA\SLYWWYLLLELO PYLLELLIRLPFDVRRKGGGPPSSIKPRPHYDPPSTA\DFKEQVIE EPVAVILMTFYSANLLRIGSLVILLHDSBDYLLRACQWVNYMQ YQQVCDALFLIPFVFPYTRLVLPFTQILTTTYESISERGPPF GYYPFNGLLMLLQLLHVFWSCILRLMLYSPMKKGOMKDIRSDV EESDSSSEAAAQAQEPQLKNGTAGGPRPAPTDPGRSEVAGRLTN RHTTAT
6960	387	2068	AKMARREKMQEP\TESFF\RGPRDLSTLTSTIVNRRYLAHSGRS HLEPEBKQALQRLVBEPELMQVDEAASREDDLDLTKGRKPPPT PCSDPERRRFPNSSESSESGSEASFPDYFGPPARNGVASRSHTEP KEENPREA\SKAVESSDREKQRLPAQGESESSERKEKGYKGG TRKKFVVKQAPGKASVSRKQAREESRESEAPVORTAKKVBGN KGTSLKESQESSEERLLAQKKEQRREVEERKEEDDEKGGWK PRTSNGRRKSAREERSCKQKQKRLGDSSEKESQKKAASSG DSDGDRREPPVQKESDRTQLGGKRLSGSSSEDEDSGKGEP KGSRRMARLGSTSGEESDLREVEDESEAGGPPQGERKNSKKK SRKGRTRSSSSSDGSPKAGGKAGSGRGGEDHPAVMRLKRYIR ACQAHRYKLLGSCCSHKERLSLLRAELRAGMGTPSLGKCR ALKEQREAAEVALDVANIISGSGRPRRTAWNPLGEAAPPG LYRRTLDSEERPRPAPDWSHMRGIISDGEEN
6961	340	1646	RPWSSPTMKPNFSLRLRIFNLNCWGIPLYLSEKRRADRMRLGDFL NQESFDLALLEEVWSEQDPQYLRQLSPTTYPAAHHPFSGTIGSG LCVPSKHPHQELTQHTYTLNGYPTMIHGGDWFGKAVGLLVHL SGMVLNAYVTHLHAEYNRQKDIYLAHRVAQAWELAQFIHHTSKK ADVVLQGDLMHPEDLGCCLLKEWTGLHDAYLETRDFKGSSEB NTMVPKNCYVSQQLKPPFPFVGRIDYVLYKAVSGFTYLSCKSPET TTGDFPHRGTPLSDEALMATLFVRHSPPOQNPSTHGP\AERS PL/MCVCLKEALDGSGLGMA\QARWNA\TFA\SYVIGLGL\LL LALLCVLAAGGGAGEAAILLWTPSVGLVLMAGAFYLFHVQEVNG LYRAQARLQHVLRAREAQDLGPEPQLYALL\LGQOEGDRTKEQ
6962	340	1646	RPWSSPTMKPNFSLRLRIFNLNCWGIPLYLSEKRRADRMRLGDFL NQESFDLALLEEVWSEQDPQYLRQLSPTTYPAAHHPFSGTIGSG LCVPSKHPHQELTQHTYTLNGYPTMIHGGDWFGKAVGLLVHL SGMVLNAYVTHLHAEYNRQKDIYLAHRVAQAWELAQFIHHTSKK ADVVLQGDLMHPEDLGCCLLKEWTGLHDAYLETRDFKGSSEB NTMVPKNCYVSQQLKPPFPFVGRIDYVLYKAVSGFTYLSCKSPET TTGDFPHRGTPLSDEALMATLFVRHSPPOQNPSTHGP\AERS PL/MCVCLKEALDGSGLGMA\QARWNA\TFA\SYVIGLGL\LL LALLCVLAAGGGAGEAAILLWTPSVGLVLMAGAFYLFHVQEVNG LYRAQARLQHVLRAREAQDLGPEPQLYALL\LGQOEGDRTKEQ
6963	374	2618	RVTPILILKLLKPKTAENQKASENEITQPGSSAKPGLPCLNF BAVLSPPALJHSTHSLTNSHAHTGSSDCDISCKMTERTHSIN LHNTSNVLETLNQRNRGHFCVTVRIHGSMLRAQRCVLAAGS PFFQDKLLLGYSIDIEIPSVVSVQSVQKLIIDFMYSGVLRVQSSEA LQILTAASILQIKTVIDECTRIVSQNVGDVFPQIQDGGQDTPRG TPESGTSQSSDTSBGYLQSHPOHSVDRIYSALYACSMQNGSGE RSPYSGAVVSHHETALGLPRDHMEDPSWITRIHERSQQMERYL STTPETTHCRKQPRFVRIQTLVGNIHIXQEMEDDYDYGGQQRVQ ILERNESRECTRDQABGTSEBPKGESFDGCVSSSICTRPDSV EQQFQPGAAARDSQABPTQPEQAAEAPAKGGPQTNQLTGASSPR RSNEVEMDSTVITVSNSSDKSVLQQPSVNTSICQPLPSTQLYLR QTETILTSLRMLPLTSTNTQVIGTAGNTYLPALPTTQPGSGPK

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			PFLFSLFQPLAGQOTQFVTVSQPGLSTFTAOPLPAQPLASSAGH STASGGQGGKPKTECTLCNKTFTAKQYVVKMFVHTGKPHQCSI CHRSPLSDYLIK\HMVHTGVRAVQCSICNKRPTQESSLNVHM RLHKGKSYECTICKKFPHKTLLEHVALHSASGCTPPAGTTP GARAGPPGVVACTEGTIVVCSVCPAKFDQIEQFNDHMRMHVSDG
6964	1	178	SGRPFPPFFPSNTDVYFKKVTNRWTAGSSYRNRMKSIGILL QIFIG\NCSMFLVI
6965	757	208	NVFIEPRIQGPMTSAHPGQKHDPFSMGLLPFLAALVCSGGS SGSLGYNLPONH\GLLGRNTLVLLQMRRLSPFLCLDRSDPFP PQEKVEVSQIQIA\QAMSPLYDVLLQVFNPSHALL\CMHEHL PGPTPEFTSSAAGTGDLLGAGDGRRRSWQWVIBGSTLALRRY PQESISTLE
6966	820	1867	LITAGVGRMPCPCPGOGMAGPRLFLTLALALELLGRAGGSQP ALRSRGATACRLDNKESSEWGAISGERLDTWICSLGSLMVG LSGVPLLVIPLEMGTMLSEAGANRLKQLLSFALGGLGVFL HLLPEAWAYTCSASPGGEGSQSQQQQLGLNVIAGILTYLAER /HVPQGGGGDQPGPQRPCCCBRAQWRFLSGPACCRARPCR GP\DIKVSYGLMLANTIDNFTHSLAVAASPLVSKIGLLTMA ILLIRIPHEVGDFAILLRAGPDWSAAKQLSLTALGGLGAGPA ICTQSPKGVSEETAANVLPFTSGGPLYTALNVLPDLLREDFW
6967	162	633	GFLPPFYHILDSASSRMETDCNFMELSSMSGFREGSRINGPFG TNDKMRLEHARAVNDVLPVANNMVFVSKLRCAADVAYINVTX ENRYCLELTRAGLVVGYAFDQVDDHLQTPYHSTVYSLDLT\ SPAYREAFGR\LLQRLKALKRQGS
6968	1	2265	RGGGGGRGPGARERERPEPERTNEAAGGRCFQPHPLQRT LEQPHLSMSBLGGPAAPSAARWAQRAYKESAKEAGAAVPAV PAATEPPPVHLPAIQPPPVLPFPFMPDRSTERCBTVLEGE TISCVFVGGKRLCLPQILNSVLRDFSLQQINAVCDELHIYCSR CTADQLEILKVMGILFFSAPSGLITKTDAERLCNALLYGGAYP PPCKKLAASLALGLSERSVRVYHE\CFGKCKGL\LVPLYS SPSAACIQCLD\CRIMYPHPKPVVHSHKALENRTCHNGF\DSA\ NWRAYILLSQDYTGKEBQARLGR\CLDDVEKFDYGNRYKRV RVSSBPASIRPKTDITSSQSPAPSEKDKPSSWLRTLAGSSNKS LCCHVPRQLSAFPNSPAVSASEKRLSPHLEALIRDSFTSYES FETAVAPNVALAPPAQKVVSSPPCAAASRAPEPLATCTQPRK RLTVDTPGAPETLAPVAAPBKDKSEAEVVESESRERTSSLS LSSPSTSSSADLGSFGARALPSAVPDAAAPADAPSGLRAL EHLQALEGGLDTKEAKEKFLHEVVIMRVQKEKLSAALQAKRS LQBLEFLVAKKRLREATEAKRLRKEIRLRAENEKKKKEA NESRLRLKRLBQARQARVCDKGCEAGRLRKYSAQIEDLQVKL QEAEDRBQLRADLLRREAREHLEK\VVK\ELQEQLVPRARPE AAGSEGA\AAKLEP
6969	1855	118	AGTMHGLKVTSEHQAEAKRLREBQKLYQSATQAVFQKRA GELDESVLRLTSQILGANPDATLWNCRRFVLQOLETQKSPZL AALVKARLGFLESCLRVNPKSYGTWHRCMLLGRLPPEPNWREL ELCARPLEVDERNFHCWDYRRFVATQAAVPAKELAPTDLSLITR NFSNYSSNHYRSCLLPQLHPQFDSGPGRLPEDVLLKRELIVQ APFTDPNDQSANFYHRLGRADPDALRCLHVSERDRACLTVP SRPLLVGSEMEILLMVDSDPLIVEWRTPDGRNRP SHVWLCOLP AASLNDQLPQHTFRVWITAGDVQKECVLLGRQBGWCRDSTDE QLFRCKLSVERSTVLQSELESCKELQELEPENKNC\LTITILM RALDPLLYERETLQYFQTLK\ANDPKRATY\LDLSEKFLLENS VLKMEYAEVRVHLAKHDLTVLCHLSQLLVTHLDLSHNRRLTL PPALAALRCLEDPFPT\VLQASDNATESLDGVTLPHLQELL CNNRLQQPAVLQPLASCPRLLVLLNLQGNPLQAVGILEQLARLL PSVSSVLT

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6970	3	1538	<p>SPPPLSSPSAVGEGKVAARFCPGRSECARARMAYIQLEPLNR GFLSRISGLLLCRWTCRHCCQCYESSCCQSSSEVBILGPFPFA QTTPMIMASRSSDKDGSVHTASVPLTPRTNSPDGRSSSDTS KSTVSLTRHISLRSRRPSSPLIDIKPIBFGVLSAKKEPIQPSV LERTYNDDYPRKPEPHLYSLDSNDDVDSLTDSEILSKYQLGM LEPSTQYDILLNHLTVFVIEARDLPPPISRDGSRCQMAHSNPTV KICLLFDQKSKQGTGVRRKTQKPVFEERYTTFEIPLEAQRRTLL LTVVDPDFKPSRHCVIGKVSVPKCEVDLVKGGNNWALIPSSQNE VHLGELLLSLNYLPSAGELNVDVIRAKQLLQTDVSGQSDPFVKI QLVHGELKLVKTKCTSLRGTDIPFYNSPSPKVPQERLENASLV FTVFGHMMKSSNDFIGRIVIG\QYSSGP\SRPHHWRRLNTHRT AVRQWHSLSRABCDRVSPASLEVT</p>
6971	37	3702	<p>ACFYVPGSRSPKLIPIHGLVNMGRSGKLPQGVSAKLRNWKCHS SDSNPAICRRHQARSRRPSSRPSGRSDITVDVAVKLHNLQSGSL RLGKSRAPETPMEEBAELVLTEKSGTFLSGLSDCTNVTFSKVQ RFBESNSAAHKEICAVLAAVTEVIRSQQGKRTREYFAALIRKA AQHGVCVSLKGSHPMFKAFAHPAAISTAKFCIQRIKSGGSK EATTLHMLTLLKDLLPCFPGLVKSCSETLLRVMTLSHVLVTA CAMQAFHSILFEARPGSLTSLAEALNAQITATLYDVVPSRNDLQPL LAWLVMEKAHINLVRQNDLGLGHLPRPFGTAVTCLLSPHSQV LTAATQSLKEILKECVAFHMDIGSVTSSASGPAQSVAMFRAV EEGLTYKFAAANSSVQLLCVFFACGRQAHPVMRKCLQSLCOL RLSPHPTAALDOAVGAATSMGPVVLQAVPLEIDGSBETLD FFRSWLLFVIRDHVQETRLGFPFTYFLPLANTLKSANDLAQAG STVESKIYDTLQNMNTLLPGFCTRTPTDVAISPKGLARTLGMAI SERPDLRVTVQALRTLITKGQARADRAEVSRAKNFLPIILFN LYGQPVAAAGDTPAPRAVLETIRTITLTITDQLVNSLLEKASEK VLDPASSDFRLSVLDLVVALAPCADEAAISKLYSTIRFYLESK AHGVQKXAYRVLEEVCAAPGQPGALFVQSHLEDLKKTLDSLSRS TSSPAKRPRKCLLHIVRKLSEHKEFITALIEPVLCTREVS GARKNAPALLVEMGHAFIRFGSNQBRALQCYLVLIYPGLVGAUT MVSCSILALTHLLPFGKLMGTSTVQQLLENVCLLASRTDGV KSALGFIRKAVTVMDVAHLAKHVQLVNMAIGKLSDDMRFRMK LRNLFT\KPIPR\PGILTGWKAVGPKYHRVLMNIRKARAK RHRALSQAABVEEREEEREPAAQGGDSIBETLADSDREEDNE EERSRGKEQKRLARQSRRAWLKEGGDEPLNFDLPKVAQVLA TQPGPGRGRKDDHSPKVSADGRLIRREADGNEMKEEBGAKGED EEMADPMEDVIIRNKKHQQLKQKBAKSELEIPPOYQAGSGSI HRPVAOKAMPGAETKAKKAGDVKKGRFPDYATIPANRSKLNR RKKMKLQCGFAGLVKAAQSGSQVGHKNRRKDRRP</p>
6972	2179	973	<p>PGGAILLPLMERTFPREATVPRGAAQGRARSABGRIPSSQSPS PAEAGGATRSPPPRPPARPAPGSAAPPLLRSDAGPGATVSA AAATERARRGATMGALSTLGHMVLFPVWFLYSLMLKLPQRSTP AITLESPIKYPLRLIDREIISHDTRRPFALPSPQHLLGLPVG QHIYLSARIDGNLVVRPYTPISSDDDKGFVDLVKIVYFDTHPK FPAGGKMSQYLESMDIGDTIRFRGPGSLLVYQGGKFAIRPDK SNPIIRTVKSVMGAGGTGITPMLQVIRADMDPDHDTVCHLLP ANQTEKDIILRPLEELRNKHSARFKLNYTLDRAFRNDYQGQ\ FVNEEMIRDHLEPPPE\BBPLVLMCGPPPMIYACLFNL\DHVGH PTERCFFV</p>
6973	1	1964	<p>LQPRCAHRGLRAQKGRPAPGVDMVLCVIGKLLHKRVVLASA SPRROBILSNAGLRFVVPSPKFEKLDKASFATPYGYAMSTAKQ KALEVANRLYQKDLRAPDVVIGADTIVTVGGLILEKPVDRQDAY RMLSRFE/SGREHSVFTGVAIVHCSSKDHQLDTRVSPFYESTKV KFSKLSERLLNRYVHSGEPMDKAGGYGIQALGMLVSVRGGDFL NVVGFPLNHPCKQLVKLYYPRFEDLRRSVKHDSTPAADTFEDL</p>

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			SDVEGGGSEPTORDAGSRDEKAEAGAGQATARAECHRTRETLP PFPTRLLKLEIEGPMISKGLLTACKLVFDLLKDEAPQKADIAS KVDASACGMERLIDICAMGLLEKTEQGYSTETANVYLASDGE YSLHQFIMHNDLFWNLFTYLEFAIREGTQHHEALCKKADLP QDAYYQSPETRLRFMRANHGHTKLTAQVATAFNLSRPFSSACDV GGCTGALARELAREYFPMQVTVFDLPDIIELAARFQPPGPQAVQ IHFAAGDFPRDPLPSAEILVLCRIILHDPDKVHKLSSRVASFC KPGAGLLLVETLLDEKKVAQRALMQSLMLVQTEGKRRLSIGEY QCLLELHGPHOVQVHLGGVLDAIL\PPKNPPBAQAACSL
6974	3082	2172	RSCAASPASPRPPLPAPPGRSHRSPFGSVATSACALSVRK LLAARPGIGTKYQATHVYKTLFALCILTACWRVQSLPTSAPLSV SLPTINIVPPTTIWTSQPTDADTASPSHOTHNSVLPVTASAP TSLLPKNISIESREERITSPGSNNEGTNTDPSGPSSTSGGVH LTTTLEHSLGTBRAGVAATLSQSAARPTLISQAPASSPSSL STSPPEVFSASVITNHSSTVTSTOPTGAPTAPESPTRSSSDHT PTSHATAEPVPQKPTPTTVSGKVMCELLINET\PPPPPG RPRPTVHCCONALKLSTAMETLDFVPHASGKEGDKYLSKKEL KELLQTELSGFLDVKELML*ATEALKTPREA*KEPIIQCSSRS SLPPAPQPPPYL*LSAVPPFIHLPLPLPQAQKDDVDAVDKVMK ELDENGDEVDPOQYVVLVAALTVACNNFFWENS
6975	2	500	GCQL*VAYGTTENSFVTAHPPEDTVEQKESVGRINPHTEARI MNMEAGTLAKINTPGELCIRGYCVMLGYNGEPQKTEBAVDQDKW YWTGDVATMNEQGFCKIVGRSKDMIIRGGENTYPALEDPFHTH PKVQEVQVGVKDDRMGEETCACIRLKDGETTVEETKAPCKGK ISHFKIPKYIVFVNTYPLTISGKIQKPKLRQERHNL*IKQQ ACPGRLA
6976	1216	970	SLFINTNLLSNQIRKTSFGMCSEFISDNTHDQKGLKTPDFA*R ANKKSKHVNNGRTVBPPFGTQMAVFGMGCPWGAERKFWVLKG VYSTQVGFAGGYTSNPTYKEVCSEKTHAEVVRVVYQPEHMSFB ELLKVFWEHEDPTQGMRCQNDGQTQVRSATYPTSAQOMRAALSS KKNYQKVLSEHGGPITTDIRBQTFYAEYHQQYLSKNPNGY CGLGGTGVSCPVGIKK
6977	1298	588	SPFPRDSRRCCCKGSLRHTAVAMVKLSKRAKQRLQQLFKGSQ FAIRWGFIPLVITYLGFIRGADPGMPPTVLSLLNG
6978	3	242	DEARVRGEAVAAAILSECRHWSGFPFPFPSPDREKLGTEPNE AGPGSGATPGARAMDVRLKVNELREELQREGLDTRGLTELAE RLQAALAEAEFDDERELADDEKPRPGHINEVEYTEGSSLEGT AQPPPPGLQFHAEPGGYSGPDCHYAMENITRONQFYDTQVIKQB NESGYERRPLEMEQQQAYRPEMETEMKQCAPTSFLPPRASQLKP DRQQPQSRKRPYKENRGROYFEHREDRGRSPQPPAREDEDDFD DTLVAIDTYNCDLHFRVARDRSSGYPLTIEGFAYLWSGARASYG VRRGRVCFEMKINEEISVKHLPSTBPDPHVVRIGWLSLDCSTQL GREPPSYGYGGTCKRSTNSRFENYGDKFAENDVIGCFADPFCEN DVLSPTKNGRWMIAPRIQREALGGQALYPHVLVENCAREPNF GORAPYCSVLPGFTFIQHLPLSERIERTVGPESKAECSILMHV GLEPAAGKTIWAIKHAASNPSEKYNILGTNAIMDKMRVMGLRRQR NYAGRNDVLIQATQCLNRLIQIARAKRRNYILDQTNVYGSQR RKMRPPEGQKRAIVICPTDELDERTIKRTDEBGRDVPDHAFL EMKANFTLPDVGDFLDEVLFIELQREADKLVQYNEBGRKAGP PPEKRFDRNGGGFGRGGGGGQRYENRGPPGGNRGGPQNRGG GSGGGNYRGGFNRSGGGYSQNRMGNNRDNNSNNRGSYNRA PQQQPPQPPPPPPPPQPPPPPSYSPARNPPGASTYNKNSNI PGSSANTSTPTVSSYSPQSPGFFPSTFPQPSYQPPYNQGGYSQ GYTAPPPPPPPPAYNYGSGGYNPAPYTPPPPPPTAQTYPQPSY NQYQQYAQQWQYQNCQWPPYQNYDYGSYSGNTQGGTSTQ
6979	3917	1146	GTRGRKTGRVAAPSTRRTTGNMQLQTRSPAMSLSDPGLGYHTP
6980	1	420	

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			CWTLRWPFPLCSLHALHVPFCLFSSRLGTPVSPRLANDPNCSCRA GGSCACAGSCCKCKCKCTSCRSCCSCCPLGCARCAQGCICKGA SEKCSCCA
6981	10	1054	PGRGFRASLRPAFAARGVPGGGLGOAKQARTRACAALPTPHPS APRLLEPQGVPSLPPPPGPFWMILTKAQYDRIAQCLVSVPT RQSLRKLQRFPSSQATLLSIFSQBYQKHRTAKHTSEAI ESYYQRYLFGVVGGAAPVLLDLANEVDYAPSIMARLILERPLQ EHEBTPPSKSIINSMIRDPSQIPDGVLANQVYQCIWDCCYGPL VDCIKHAGHEHEVLLRDLLEENLSPLEDDQLRANGYDKTDFD ILQVPVAVGHIINWIESKASFGDECSHAYLEDQFWSYNNRPG PGLVIYWGPIQKELDCNRERQILLKACFPPIVTLCHSIA
6982	153	1285	FFQDDCSAPAAPGLAGSEPRRLRAYRRRRQARGLKRVANLAPP PSLLQGLQWQAQPVDTLGPEDSRASSPMIQNSRPSLLQPODV GDTVETMLHPVTKAPLCSSISGTCSTLLPQLDLKTRLTQLQ PSDHGSRVGMALVLLKVVRTESLLGLNMGSPSIVRCVPGVGI YFGTLYSLQYPLRGHPPTALESVMIGVGSRSVAGVCMSPITVI KTRYESGYGYESIYAALSIYHSEGHRLFSGLTATLLRDAPP SGIYLMFYHQTKNTPHDDQVDTLIPITNFCGIPAGILASLVT QPADVIRKTHQLYPLKFWIGQAVTLIPKDYGLRGPFGGIPRA LRRTLMAAMANTVYEHMAKMKLE
6983	82	773	ENSFLQDPSPTMGWMSIGAGALGAALALLANTDVPLSKPK AALYLEDDIDLEKLEKPRTPKAKILNEKNGAVIMAVRRPGFL CRERAADLSLSKMLDQLGVPLVAVVKEHRTVQDPQYPYKGR IFLDEKKKPYGFORREMMFMGFIRLGWYNNFFRANCGFSGNLE GEGFILGCVPVVSGSGKQILLEHRRKKEFGDKVNLVLEAKMI KPQTLASEKK
6984	1845	1282	GGREAYSLPAGSLPRVPATAAARMASGVQVADVCRIFYDMKVR KCSTPESIKRKKRAVIPCISADKKCIIVEBGRKILVGDVGVTIT DPFKHFGMLPEKDCRYALYDASFETRKRKEELMPLWAPELA PLKSKMIYASSKDAIKKPKQGIKHECQANGPEDLERACTIAKLG GSLIVAFEGCPV
6985	1887	1324	RRTAGIYPCFPKGRTRHALCSVVLLLLTGQLAFDDPQESCAM WQYAGSRRSMPLGARILPHEGVFVAGGPAIVVYLIQKPHSRALY YKLAVEQLQSHPEAQEALGPPLNTHYLLIDREKTFVDIVAKLK IPVSGSKSEGLLYVHSSREGGPFQWHLDEVFLELEDGQQIPVFK LSGNGDEVRKE
6986	642	1350	YHLYYKMDPNSRKKQALNRLRAQLRKKKESLADQPDFKMYLAF VFKEKKKKSALFEVSEVIPVMTNNYEENILGVRDSYSLESLL ELLQKDVVQLHAPRYQSMRRDVIGCTQEMDFILWPRNDIEKIVC LLFSRWKESDEPPRPVQAKFEPHEGDYKQFLHVLRSREKDTGV VNNFNQSVFLFIDROHLQTPKPKATIPKLCSICILYLPQSLTEN AVGTIEDHLRPFYME
6987	1623	341	LEAARKASRAPIKESQRQTDSEKNEYETENWSPOKSQRRYDMYTAC PLGEIEVGLYTIQILQLTPVPHKENLSKHHMVQFLSGKWTIPP DPRNECTILALS KFTSHLKNLQSDLERCFDFFIDYVLLKMYTQ KETABIMLSKKVSRCPKYTELPCHLDPCLQSESSQLQRENC RKKLEALRADRFAGLLEHLPNPKDATTMESTVMEYAPLLQONS KRPWINEQNSILANIILSCLKFNKLIQPLTTLKKQLREVLPQ VGLSHQYPGPYFLACLLFWPENQELDQDSKLEKYVSSINRSFR GQYKRMCRSKQASTLPYLKRRKGLNSIVHRAKIEQYFDKQNTN SLNHSQDVNKKNEVKDILLRLTGQAGKLLSVETGTEEKIKIPV ISVYSGPLRSGRNIERSVFTLGFSIEGPPGL
6988	3	689	TQLLRFPVPGSASGIRSGLSASSGHWCAAGRAHAPVPR LVRGLGAASTAAPQDAQTGQPMFRADCIMRHLPYFCRGQVVRG FORGSKQLGIPANFPEQVVDNLPAIDISTGIYGWASVGSQDVH KVVVSIGWNPYYENTKSMETHIMHTFKEDFYGRILNVAIVGYL

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			RPEKNFDSLSLSLSAIGQDIREAKRRLKLPZHLKIKEDNFFQVS KSKIMNGH
6989	2	1118	LMPSDRPLSPSTHASAGSHCHAPPTTARRAPPDPFGSKSNMATL KDQLTYNLLKEEQTPQNKITVVGCVGANGACAISILMKDLADEL ALVDVIEDKLGEMMDLQHSGLFLRTPKIVSGKDYVVTANSKLV IITAGARQQEGSRLELVQRNVHIFKPIIPFVVVYSPNCKLLIV SNPVDILTIVANKISGFPENRVIGSGCHLSARFYLNGERLGV HPLSCHGWVLGEHGDSSVPVWSGMVAGVSLKTLHPDLGTOKDK EQWKEVHKQVVSAYEVILKGYTTSWAIGLSVADLAESIMONLR RVHPVSTMIRELYGIKDOVFLSVPCILQONGISDLVKVILTSEE EARLEKSADTLGQIQELQF
6990	719	258	THASGMASVULALRTRTAVTSLLEPTATLAVRYASRKSQSSS KNLGKSSGRROQIKKMEGHYVHAGNIATQRHFRWHPGAVGV GHNKCLYALKEGIVRYTEVYVPHFRNTEAVDLITRLPKGAVLY KTFVHVVPAPKEGTFFELVAML
6991	169	451	RESSDFNPGFLSRFVSLRENIIHQVICSTENKRNPNKICAYLL SSLMTNLNPNSESTENQPVDAKAFITLQDEFLTYACVEGTCLP CGRHVH
6992	944	510	RQAPGCCSLALRQVRQVYQGLVRAPQVQTRPLSSRFVRRGALY RSPMQENPPPYTGGPQFTAPYPPYPPQPMGPGMGPGPYPPQGY PYQGYTQYGNQGGPQBPPTTVTVVVEDQRRDELGPSTCLTACWT ALCCCLMDMLT
6993	1	374	QNCVTCPOHNRQGFAPVPGIQAYGAAPPEDLQVDPTFMSKCRG DRVRIEDWNVASLCPLWKGQPTVVLSPPTAVRVEGIPAMIRHSH VKPAAREBTNEARPSPDNPFVTLKKTTSAPVTPGS
6994	346	1100	QWPEKDFVMAASTISSPFGKHVPKAILMLVLALLHLSALAQSR RDPAPPQQKKREAPVDVLTOIGRSVRGTLDAWIGPETHLVSES SSQVLANISSAISVAFALSGIARQLNALGAGDYLALQGLKLS PGQVQTFLLWAGALVVTWLLSLLGLVLALLGRILNGLKLVIF LAGPVVALMRSVPDPSTRAILLALLILYALLSRLTCSRASGAQL EAKVRGLERQVEELRWEQRRAAKGARSVEE
6995	144	1346	GSVAVGLSGIMAAQKDLWDATVIGAGIQCCPTAYHLAKERRYL LLEQFFLPHSRGSSHQQRIRKAYLEDFTYTRMHECTQINQQL EHRAGTQLHRQTGLLLGMRKQELCTQANTLSRQVRHQCCLSS EELKQRFPPNIRLPAGEVGLLONSGGVYAYKALRALQDAITRLG GIVRDGSKVVEINPGLLVTVKTTSSYQAKSLVTTAGPWTNQLL RPLGIEMPLQTLRINVCYWRMVPGSYGVSQAPPCFLNLGLCPH HITGLPTGTYPLMKVSYHKGHADPEERDCPTARTDIGDVQIL SSFVRDHLFDLKPRPAVIESCMYNTNTPBQFTLDRHRYDNIVI GAGPSGHGFKLAPVVGKIYLELNMKLTSPSYDLAPPRIISRFPSSLO KABL
6996	543	1942	ETANABAAARKSAMDKVLRRLATPNTCPFKKKSQELKDER MDLFTKYSENGGRKNTNEFYETIPRPTYLPAKNEVLLQKLR RESRAVFLQKRSRELLDNRELONLNPLLDKHQTPPMIGERAMIN YESFLKVGKAGAKCEQPTAKVFAKLLHTDSYGRISIMQFPNY VMREVNLRQTRIGLSLYDVAGQGYLRSDLENTYLELPTLPOL DGLKSFYSPYVCTAVRKFFFLDPLETGRIKIQDILACSPLAD LLELEDEBLSKESQHTNWPAPSALRVYGYLMLDKHNGMLSK RELSRYGTATMTNVFLDRVFOECLTYDGEWDYKTYLDFVLALEN RKEPAALOYIFKLLDIENKGYLNVSLSNYFFRAIQELMKINGOD PVSFQDVDEIFDMVKPDKFLKISLQDLINSNQGDVTTTILIDL NGFWTYENREALVANDSENADLDDT
6997	370	1104	AMELTIPILRLAIYILTPPLYLNLFLGLWSWICKKNFFYFLVRP TVTYNEQMASRKRELFSNLQBFAGPSGKLSLLEVGCGTGANPKP YPPGCRVTCIDPNFNEFKPLKSIAENRHLQFERFVVAAGENMH

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			QVADGSVDVVVCTLVLCVKNQERILREVCRVLRPGGAFYFMEH VAECSTWNYFWQVLDPAHLLFDGCNLTRESWKALERASPSK LKLOHIQAPLSWELVRPHIYGYAVK
6998	2	616	PVSRALYLRVSRRHAPERRAAPGRFPEDAPLECPGATNCPPLMC SHLPVPVYAPPTMESRGKSASSPKPDTKVPQVTTAKVPPAADGK APLTPSKKRPAKQPPAAPTAPAKETSADPADLNNHNSN LKPAPTVPSSPDATPEPKGPGDGAERDEAASGPGGPGPNSCEN FNPILLVAGGVAVAAIALILGVAPLVRKK
6999	14	1591	GRAGACSRRTAMSTRIESSDVIRLIMQYLKENSILHRALATQES ETTIVSLATVDSIESFVADINSCHWDTVLOAIQSLKLPDKTLIDL YEQVVLRLIKRLGAARSLLRQTDPMIMLKQTQPERYIRLENL LARSYFDPRAYPDGSSKERRAALAQALACEVSVVPPSRIMAL LGOALKNOQHGLLPPGWTIDLPRGKAAVKQVEERKFTQLSRH IKPGQKERVSCARPSPDGQYLVTGSVDGFIEVNMFTTGTIRKDL KYQAQDNFMNDDAVLNCFPSRDETEMLATGAODGKIKWKIQSG QCLRRPERRASKGVTCLSFSDSSQILSASFDTQIRIHGLKSGK TLKEFRGHSSFVNEATFTQDGHYIISASSDGTVKIMNMETTES NYTFSLGSTAGTDITVNSVILLPNPREFVVCNRSNTVVMNMQ GQIVRSPSSGKREGGDFVCCALSFRGENIYCVGEDFVLYCFSTV TGKLERLTVEKIDVIGIAHHPHQNLIATYSEDGLLKLKRP
7000	2	827	GGGVVFLEINSESGPPESERSEFPFSQREERENREERAEQSPRETGP KNPILQPALTDGVEGLQKIFEDPKNPHRQAMQILLKEEDIVGRN LLYAACMAGQSDVIRALAKYGVNLNEKITRGYTLHCAAWGRL ETLKALVELVDVIEALNFRERARDVAARYSQTECEVEFLDADA RLTLKYLAKVSLAVTDTEKSGSKLLKEDKNTILSACRAKNEWL ETHTEASINLEFQRQLEDIVTPIFTMTTPCQVKSASVTSK DQKRSQDDTSN
7001	2056	844	RRCLYLAPLKGCFITYPIPIPETEFLSCCPGWSAVAQSRILAN FASQVQAIPTLPKDSQVGPDKSEAAPKRALYESVFGSGRICGP TSPKRLCIRPSEFVDAVVSVKHDPLPLPRANGRSTNSPTI VSPAIVSPTQDSRPNMSRPLITRSPASPLNQGIPTPAQLTKSN APVHIDVGSHMYTSSLATLTYPESRIGRLPDGTBPVLDLSLQ BYFIDRDGQMFYILNPLTSLKLLIPDDPKDYTLLEYEAKYFOL QPMLEMERWKQDRETGRPSRCPCLVVRVAPDLGERITLSGOK SLIKRVPPFEGDVHCVNAGNNDSTHVRFPFLNGYCHLSVQ VLRLQQRGFBIVGSCGGVDSSQFSBYVLRRLRLRTFRVPSVI RIKQEPDL
7002	1043	498	PMPSSSTRWITS*TYTDTSSAMACRPTTGTCT*TAAPGPTVRWNP TPCSRHQSRRLTCNCSTSRPCGR*GGLCVRTAPTRPTTSASSS SWTSAGTSNWPAGRRGTATSGTATTSVWPGCGTRMNSTQWSSV PRRSRCCSRPATTPPSKPGAPHAPCASSRHLAHLAPSSGLAPA RGAEVC
7003	818	61	QCRFPAFCWQDFLQPPGRLSALLALASKVTLPPHYRYGMSFP GSVADKRNFPWIRRRPVVVEPISEDEWYLPQGDVTELLBGDA GKQGEVVQVIRQRNWWVGGLNTHYRYIGKTMQYRGTMIPEAP LLHRQVQLVDPMOKPTETIWRFTAGERVRVSTRSGRIIDKPE FPRADGIVPEIWDGPKDTSVEDALERTYVPCLKTLQEEVMEAM GIKETR\NTRRSIGIBPCABQLLPNFCPSLEG
7004	121	2285	FLLPVLTSRSLRQPAVPHARLGGVEPAAMKBARAKTPRKPTVKK G\PKRTLKTQLG/YICVRVPLGFPDQECCEVINNTTVOLHTPE GYRLNRNGDYKETQYSFKQVFGTHTTQKELFDVVANPLVNDLIH GKGLLFTYGVITGSGKTHWTGSPGEGCLLPCLDMIFNSIGSP QAKRYVFKSNDNRMSDIQCFVDALLERQKREAMPNDKTSSEKRO VDPEFADMITYQEPCTAREVDSDVYGVFVSYIRIYNNYTYDLL REVPPDPINPNLNLNCFVKIKNNHMYVAGCTEVEVKSTERAPE VFWRQKKRRIANTELNRSSSRSHSVFNIKLVAFLDADGDNVL

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			QEKQITISQSLVDLAGSEKTNRTAEGNRLREAGNINQSLMT LRTCMVLRNQNYGTNGVPTTRDSKLTHTLTKNYFDGEGKVRMI VCVNPKEADYEENLQVMRFVTVQVEVARPVDEAICGLTPGRR YRNQPRGP\IGWEPVTVVQLQSFPPPLPSCEILOINDEQTLPLR IEALEKHHNLQMMIDEFNKQSHAFKALLQEPDVAVLSKNNHQ GKLNEKKHNLGGKLSIBERLEKKHKTLEYKIBILEKTTTLYBED KRNLLQBELTQKQLQRPQSDERREARLQGMVTETTMKEKBC ERRVAARQLEMONKLVVDEKLLQKLAIVTEPETKEPERPSRR DREKVTORSVSPSPVPSYL
7005	63	876	ENMALYQWECRLQGLQACRLHNAVSTPPRWLARRYGLFREL WAAQVRLASDAQKEPTIKLSLPGGQKIDAVANNTPYQLARQ ISSTLADTAVAAQVGEFPYDLERPLETSDLRPLTDPSPGKAV FNHSTHVLGAAABQPLGAVLCRGPSTETGYHDFPLQKERTIR GSELPLERLCQELTAAARPFERLEASRDQLRQLPKDNPFLHL IEKKVTGPTATVIGCGTLVMLCQGFHLRHTGQIGGLKLLSNSS LWESSG
7006	22	898	NAPGRISTAVKMAAAAMLQVLVILLGAAHPSPLSPFSAGPAT VAAADRSKWHIPISGKNYPSFGKILFRNTTIFLKVDFGECDS LNTTWYLSADCTHEITNFKAREVELYLEKLEKRLSGKYQTS SKLPONCESELPETQTFSGDFMERLFLGRKQEAENOTNLTFIO DKTMMHEPLQWQDAPYIFIVHIGISSRESSKENSLSNLTMT VEVKGPTETLTEDYPLMIFFNVCIVYVLPGLVMLANSACYNR DLLRIQFVIGAVIFLGMLEKAVFYAGFO
7007	2	1001	AMTVSGPGTTPRPRATPGASSVQLEKKEGNELPKCDYGGALAA YTQALGLDATPDQAVLERNRAACHLGEDYDKAETASKAIEK DGGDEVALYRRSOALEKLRDLQAVLDLQRCVSLPENKVFQEA LRNIGGQIQEKVRYMSSTDARVQMFQILLDPBEKGTERRKQAS QNLVVLAREDAEKKIPRSNGVQLLQRLDMGBETDMLAALRTL VGICSEHQSRVATLSILGTRRVVSLGVESQAVSLAACHLQV MFDALKEGVKKGPRGKEGAIIVGENKQVWGLLDVTVMBGMGLSQ PGQFFGDTQCSCLFPGIRPGDIILL
7008	70	1478	CRSALGHERPPPAHLFAGGRRTQTCPRSCNLCRPPSGLPFGPR SPPLLAGPGQRMVQKPKARLQGFHRSFKGNPPFLAPSLDQPDH GDSEDFGLQCSARPMPASQPIDIPDAKRRGKKKRRGRATDSFQ RFEDVYQLQEDVLGEGAHARVQTCINLTTSQETAVKLIERQPGH IRSRVFRVEMLYQCQGHNVLELIEFFREEDRFYLVFERMRGG SILSHIHKRRHFNLEASVVVDVASALDFLHNKGLAHRDLKPE NILCEHPNQSPVKICDFDLGSGIKLNGDCSPISTPELLTPCGS AEYMAPEVVRAPSEASIIDKRCDLNSLGVILYLLSGYPPFVG RCGSDCGWDRGEACPAQNMFLPESIQEKYEFPDKDWAHISCAA KDLISKLLVRDARQLSAAQVLQHPWVQGCAPENTLPTPMVLQR WDSHFLPPHPCRTHVRPGGLVRTVTNR
7009	1	626	ARQLNSWVDDFVAAPLIPLSQOIFPGENSLYESYRQVDPAYTG RVGASEAALFLKRSGLSDIILGKINDLADPEGKGFLDKQGPYVA LRLVACAQSGHEVTLSNINLSMPPPKFHDTSPLMVTTPSAEAB NAVRVEEAKFPGIFESLLPENGLLSGDKVKPVLMMSELPLDVL GRVNDLSDIDKQHLVRDEPAVAMHLVYRALE
7010	79	571	SHTRRAVVPETLLSPLCPFLGGGTAMSGGEGKPERYTVGVVGT GSVRAALVDQSGVLLAFADQPIKNWEPQFNHHEQSSSEIDNAACC VVTCKVVQGLDLNQLRGLGFDATCSLVVLDKQFHLPLVNVQEGDS RRNVIMWLDHRAVSQVNRINETKHSVLQYVGG
7011	3	994	RIQTLPNQNSQTOPLLKTPPAVLQPIAPQTTFCVQTPQPPQSL LQQAISAASITPLQTOPQLLQPPQKAGLLQPPVRIVSQPPQ ARRLDPPSRFSGRNDGQVFNREDDRSRERERERRSRERSPO RKRSRERSPRERERSPRVRVVPRTYVQFSKPSLDCPSDDMM ELRRRYQNLXIPIPSDFDAQFTWDAFPLSRPPQLGNYCNFYVMH

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			REVESLEENMALLDPPDADHLYSARVMINASPSMEDLYHKSCAL AEDPQELRDGFGHPARLVKFLVGMKGKDEAMAIGCHWSPSLDGP DPEKDPVLIKT\AIRCCKALTG
7012	1	2661	RRAGSVKRGEARLFGPTERQSERPLRPSAARRPEMLSGKKAAAA AAAAAAATGTGAGPGTAGGSENGSEVAAQFAGLSGPAEVGPGA VGERTPRKKEPPRASPPGGLAEPGSGAGPQAGPTVVPGSATPME TGIAETPEG\RTTERRRKRARVYREMDSELANLSEDEYYSEER NAKAEKKKLLPPFPQAPPRENESEPEEPGSGVEGAAPQSRLPH DMTSQEAACFPDIISGPGQTQKVFLFIRNRTLQMLDNPKIQL TFEATLQQLAPYNSDTVLVHRVHSYLERHGLINFGIYKRIKPL PTKKTGRVLIIGSGVSGLAARQLQSPGMDVTLLEARDRVGGRV ATFRKGNVADLGAMVVTGLGGMMAVVSQVNMELAKIKQKCP LYEANGQAVPKEKDEMVEQENRLLRATSYLSHQLDPNVLANKP VSLQALEVVIQLQRRHVDEQIEHNKIVKTQELKELLKRMV NLKEKIKRLHQYKEASEVKPPROITAEPLVKSXHRDLTALCKE YDELAETQGLKEKLLQLEANPPSDVYLSRDRQILDMHPANLE PANATPLSTLSLKEWDQDDDFPTGSHLTVNGYSCVPVALAEG LDIKLNTAVRQVRYTASGCEVIAVNTSTSTQTFIYKCDAVLCTL PLGVLEKQPPAVQFVFPPLPENKTSAVQRMGFGNLRVVLCFDRV PMDPSVNLFGHVGSTTASRGELFLFNNLYKAPILLALVAGEAAG IMENISDDVIVGRCLAILEGIFGSSAVPQPKETVVSRRADPNA RGSYSYVAAGSSGNDYDLNAQPIITPGPSIPGAPQPIPRLPFAGE HTIRNYPATVHGALLSGLREAGR IADQFLGAMTYTLPRQATPGVP AQQSPSM
7013	1	2661	RRAGSVKRGEARLFGPTERQSERPLRPSAARRPEMLSGKKAAAA AAAAAAATGTGAGPGTAGGSENGSEVAAQFAGLSGPAEVGPGA VGERTPRKKEPPRASPPGGLAEPGSGAGPQAGPTVVPGSATPME TGIAETPEG\RTTERRRKRARVYREMDSELANLSEDEYYSEER NAKAEKKKLLPPFPQAPPRENESEPEEPGSGVEGAAPQSRLPH DMTSQEAACFPDIISGPGQTQKVFLFIRNRTLQMLDNPKIQL TFEATLQQLAPYNSDTVLVHRVHSYLERHGLINFGIYKRIKPL PTKKTGRVLIIGSGVSGLAARQLQSPGMDVTLLEARDRVGGRV ATFRKGNVADLGAMVVTGLGGMMAVVSQVNMELAKIKQKCP LYEANGQAVPKEKDEMVEQENRLLRATSYLSHQLDPNVLANKP VSLQALEVVIQLQRRHVDEQIEHNKIVKTQELKELLKRMV NLKEKIKRLHQYKEASEVKPPROITAEPLVKSXHRDLTALCKE YDELAETQGLKEKLLQLEANPPSDVYLSRDRQILDMHPANLE PANATPLSTLSLKEWDQDDDFPTGSHLTVNGYSCVPVALAEG LDIKLNTAVRQVRYTASGCEVIAVNTSTSTQTFIYKCDAVLCTL PLGVLEKQPPAVQFVFPPLPENKTSAVQRMGFGNLRVVLCFDRV PMDPSVNLFGHVGSTTASRGELFLFNNLYKAPILLALVAGEAAG IMENISDDVIVGRCLAILEGIFGSSAVPQPKETVVSRRADPNA RGSYSYVAAGSSGNDYDLNAQPIITPGPSIPGAPQPIPRLPFAGE HTIRNYPATVHGALLSGLREAGR IADQFLGAMTYTLPRQATPGVP AQQSPSM
7014	3	3950	DFEVGDKIRILATLEDGWLGGSLKGTGIFPYRFVKLCPDTRVE ETMALPQEGSLARIPEISLDCLNTLGVBRHETSDEHARS PD CI ISEAPTSPLGHLTSEYDTRNSYQDEDTAGGPPRSPGVWEM PLATDSPTSPTFVVNGISSQPQVFPFHNLQKSQYYSVGGSH HSEBQYDILLPLEARTRDYASLPPKRMYSQKTLQKPVLPYRGS SVSASRVVKPRQSSPOLHNLASTYKHHSTSVYSISERLEMKPG PQAQGLVMEATBSQGDGSTDLSKLTQQLIEPEKSLAGPGTEP DKILRHFSIMDPHSEKDIVRSGSKLITQELFERKALRPPPPR PCTPVSTSPHLLVDQNLKADAPLVVRPSRPAPLPSSAQQTNAV SPKLLSRHPTCTTLEKEGPGHMGSLDQTSPCPLVLVRIEEME RDLDMYSRAQELNLMLEEQDESSRAETLEDLKFCSNIESLN

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			<p>MBLQQLREMTLLSSQSSSLVAPSGSVSAENPEQRMLEKRAVRIR ELLQTERDYIRDLEMCIERIMVPMQQAQVFNIDFGLFGNMOMV IKVSKQLLAALRISDAVGPFVFLGHRDELEGTYIKYQCMHDEALA LLEIYEKDEKIQKHLQDSLADLKSLYNEWGCTSYINLGSFLIKP VQRVMRYPLILMELLNSTPSSHDPKVPILNAVLAVERINVNINE YKRRDLVLKYRGGDESLMEKISKLNDSYIKKSRVSSHLSAH LTGPAQIDDEVFEETENFRMQRERLIRSFIRDLSLYLQHIRS ACVKVVAAVSMNDVCMEEGHRDLBQFERVHYTSDQLFTNPKER TERLVISPLNQLLSMPTGPHKLVQKRPDKLLDPYNTCTERAELK DKETLEKIQSARNNYBALNAQILLDELKPKHQYAGGLFTNCVHG AARBCDFVEQALBQLKPLLSLLKLVAGREGMLIATPHBHSRVLO QLQVFTFPFESLPATEKPPERKTIDRQSARKPLGLPSYMLQSE ELRASLLARYPPKELFOABRNPNAAQDLQVSLLEGDLVGVIKKK DPMGSONRWLIDRGVTYKGFVYESSFLKPYNPRSHSDASVGSHTS TESERGSSESPFRPNQSGSTLTNPN\B\NAVSTSGSCQKQKP DASPPPKEMDQGLTASLNPSNSESPPSRCPSPDSTSQPSGSD SADVARDVKQPTATPRSTYRNFHPEIVGYSVPGRNGSQDLVKG CARTAOAFEDRSTEPDGSBAEGNQVYFAVYTFKARNPNELSVSA NQKLKILEPRDVTGNTENMLAEVNGKRGYVPSHYIRKITYT</p>
7015	1842	513	<p>HQAMHE\VAAPSNREGARLVQSVLRVWQVQPHVABERVIPFSSLL GFQRCVSCVAGSAPSGPFLASASRSGQGGALDHPFGSPQDS SVTPCVPAVMNRDEQDVLVHHFDMPSERVLRVLLGAPWAG KSTLSNQLLGRKVPFVSRKVHTTRCQALGVI TBKKTQVILLDTF GIISPGRQKRHHLESLLEDPFWESMESADLVVVLVDVSDKNTN QLSPQLRLCTKYSQIPSVLVMNKVDCLKQKSVLLELTAALETG VVNGKLLKMRQAFHSHPGTHCPSPAVKDPNTQSVGNPQRIGWPH FKRI FMLSALSQEDVTKLQYLLTQAQPGPHEYSAVLTSQTPE RICANIIRKLLBHLPOEVVPYNVQKTAVWEEGPGGELVIQKQL LVPKESYVKLLIGPKGHVISQIAQBAHDLMDFLDCVDIRLSV KLLK</p>
7016	167	2513	<p>ILINAPKPPPPRDSVEAVAAKRDTGGSGWGTMDVSGQETDWRST AFRQKLVSQIEDAMRKAGVABSKSSKDMESHVFLAKTRDBYLS LVARLI IHRFDIHNKRSQASVSDPMNALQSLTGGPAGACAGIM PPRGPGQSLGNGSLGANGQPMSLSGQPPPGTSGMAPHMAVVE TATPQTOLQLOVAAAAAATARSSSSSSRRRYBSSSSSSNSKQ FDRQQSAMQO\QPOA\VVQQQQQL\QQQQQQQHLIKLHEONQO QIQQQQQQLQRIAQQLQQQQQQQQQQQQQQQQALQAPFPIQOP PMQQPQPPPSQALPQQLQCMHBTORHQPPQPPQPPVACNQPSQ LPQCSQTQPLVSAQAALFGQMLYTOPPLKPVRAFMVVQPPVQ QVQQQQTAVQTAQAQMWAPGVQVSQSLPMLSSPSPGQVQTP QSMPPPPQPSPOPGQSSQPNSSVSGPAPSPSSFLPSPPQPF \QSPVTARTQNFVSPSPGLTPTVNPSSVMSPAGSSQAEBOQY LDKLRQLSKYTEPLRRMINKIDKNEKDKDLSKMSLLDILTDP SKRCPLKTLQKCEIALEKLNDAVFTPPPPVPPTKQQLCQP LLDAVLANTIRSPVFNESLYRTFVPAMTALHGPPIATPVVCTRER RLEDDERQSI PSVLQGEVARLDPKFLVNLDPSHCSNMGTVHLIC KLDDKDLPSVPPLEKLSVPADYPAQSPMLNDRQWQYDANPFLQSV ERCMTSRLQLPDKHSVTALLNTWAQSVHQACLSAA</p>
7017	1	1785	<p>INIGNTCYMNSVI*ALPMATDPRRQVLSLNLNGCNSLMKKLOHL FAPLAHTQRRAYAPRIFFEASRPFWFTPRSQQDCSEYLRFLDR LHEEEKILKVDASHKPSSEILCSSETSLOEVASKAAVLTTPTTS DGEKTLIERMPGGKLETHIRCLNCRSTSQAFAFTDLSLAFWPS YSLTYMSCPDCSQSPSIQDGLNQASVPGPSEEFVVYNPTTAA ICDSLVRKXTIGSPNRFYCSNTSVPNESNKLVMKDVQKPG GETTPTVDLLNYFLAPEILTGDNQYCCNCSLQNAKRTMQT KEPEYLILTLRFSYDQKYHVRKILDNVSLPLVLELPVKRITS</p>

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			FSSLSSESWSVDVDFDLSNLAKKLKPSGTDASCTKLVPYLLS SVVHSGISSESGHYYSYARNITSTDSYQMYHQSALALASSQ SHLLGRDPSAVFBQDLENKEMSKWFLFNDKVTFTTSFQSVQR ITSRFPKDTAYVLLYKKQHSNGLSGNHPTSGLWINGDPFLQRE LMDALTIDHKLVLQEQELNARARALQAASACSPFENGFTDNDP FGSCGPTGGGGGGGFTVGRLLVP
7018	484	1066	SLVFRGNTWSGEGHHCALFNLAAYHOLFVGTERTIRAPETIFQ PSLIGESQAGIAETTLQYILDRYPKDVQEMLVGNVFLTGGNTYP GMKARMEKRLLEMRPPSSFOVQLASNFVLDAHYGARDWALNHL DDSEVNIITRKEYBERGGEVLRKHCASNTIYVPIRLPEQASRSSDA QASSKGSAAAGGGGAGEQA
7019	1048	335	APGQFLVTNVFPAPSPFNMIGCCSHEVTAGPPTLCKDMSALVAA RMRHIFLAGSDWRDLFNIEVRLSDGTNARKLYTHDRNGRS SSGALRGVCSCEVAGKACDFAARQFNLIIPWCLFHTGERENHWA GLYGRLEWDGFFSTTVTNPEPMGRQGRVLEHPEQHRVVSVERCAR SQGFPTDITRLPGNILDHRRQVGNVPPFLAATAGLEIKLCMLAK AREASAKIKEREAARD
7020	1	2154	FADSKRSVLLDKIKNLQVALTSKQSLTAMSFVAENTFKRVR NGFLMRKVAVFPFNTPTTRASPQLSEAVLKLSDAGITPLFLTRQE DRQLINALQINNTAVGHALVLPAGRDLTDFLENVLTCHVCLDIC NIDPSCGFGSWRPSFRDRRAAGSDVDIDMAFILDSABTTTLFQF NEMKKYIAYLVRQLDMSPDFKASQHFARVAVVQHAPSESVDNAS NPFVKVPSLTDYGSKEKLVDFLSRGNTOLQGTALGSALEYTI ENVFESADNPDLKIVVLMITGEVPEQOLEAQORVILQAKCKGY FFVVLGIGRKVNKEVYTFASEPNDVFFKLVDKSTELNEEPLMR FGRLLPSPVSSSENAFYLSPIRQCCWFOGDQPTKRLVKFGHRQ VNVFNVTSSPTSNPVTITTKPVITTTKPVITTTKPVITTTKPVIT INQPSVKPAAAKPAPAKPVAAKPVATKTATVRPPVAVKPAATAK PVAAPAAVRPPAAAAAKPVATKFEVPRPOAAKPAATKPAATTKP NVKMSREVVQVPEITENSARKLHMERFPPGPFYDOLTVSANDQS LVLLKQNLTVTDVIGLLAGQTYHVAUVVCLRSQVRATYHGSFS TEKSQPPPPQPARSASSSTINLMVSTELALTTETDICKLPKDEG TCRDFILKWTYDPAITKS CARFWYGGCGGNEERPGSQKCEKVCA PVLAIPGVISVMGT
7021	2	338	VNAVSFPFNGYAFATGSDDATCRLPDLRADQRIILYSHDNIICG ITSVAFSESGRLLAGYDDFNCNVWDTLIGDRAGVLAGHDNRVS CLGVTDDGMAVATGSWDSFLRIWN
7022	2	856	VYIGSPWSEHLLIPDMRKLFEAREQDLFRDIQSLPRNDALEKLN DLIKRRLAKVHAYIISLLEKEMPSVFGKDNKKKBLVNNLAET GRTERHQISPGDFPNLERMODQLQADFSKPLKSKLLEVV DMLAHDIAQLMVLVRQESQRPIMVKOGAFEGTLHGPPGHGYG EGAGEGIDDAENVVARDKPHYDEIFPYTLSPVDGKITGANAKEM VREKLPNSVLGKINKLADIDKDGMLDDDFALANHLIKVLESGH ELPNEIPAHLLPSPKRVAR
7023	2	748	AMVFGGVVFPVQYRDIRRTQNDGFPSTYVCLVLLVANILRLIF WFGRRPESPLNQSAIMILTMLMLKLCTEVRVANELNARRRSP TAADSKDEBVKVAPRRSFLDFDPHHPNQWSSPSDYVQCVLAFGT VAGYITLSDSALFVETLGFVAVLTEAMLGVPOLYRNHRHQST EGMSIKMVLNMTSGDAFTAYFLKGAFLQFSVCGLLQVLVDLA ILQAYAFARHPQKPAPHAVHPTGTAL
7024	1207	190	RIGVTGVVAQVNMFGGGGVLSGGEOLQMPVEPERGLSPDGNLV SSRRGSPCTVIGLPPFNLLTPVLVSRISRMILLTRSPTAHRLS QLKPFVLPCTLGGQALHLRSWLLSRQGPARTGGQGPQGPGLRT RLIITGLPCAGLGGANLALRAEKERLQQQKRTALRQAAVGGQD PHLLDHRGRARCKADFRGQNVLMYFGFTHCPDICPDELKLVQV VRQLAEPGLPPVQPVFITVDPERDDVEAMARTVQDFHPRLLGL

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			TGSTRQVAQASHSYRVVYNAGPKDRDQDYIVDHSIAIYILNPDG LFTDYTGSRSRABQISDSVRRMAAFRSVLS
7025	232	832	ERNSPIGNNENL*K\HSLDCLCFRGEWEGNTQFOTLQDNQRECF KQVITCRKRPTFNQETVNLHQRINTGDKLNEFKELGKAPISG SDHTQHLHTSEKPGDKKCGNTPLPDSEVIQYQTVBTVKRTY ECKRCKGKPSLRSSLTGHGRIHTGKPKFKCKDCGKAPRPHSQLS VHKRIHTGKESYECKGCKAPSCG
7026	328	1146	NPPPSIGDIDKKAJSMGLDPAKSKSHFVPTPSLVPLCFIDG LHQALLSVGVSKRSTVVGNEEERGTFYASRFKDMFNFIALEK SSVLRHCCDLIGVAAGSSDKICTSSIQVQRFPKAMASIGRLS HGESADLLISCHASAIGWISSRPWVGLMPTPLPGDFRSPHKK LRSS*LPKRHR*QPDNAVRMFLDQCMGSIARAIVSRIPVFR EKKNG*KGIGEIF*VWGCTLPFHYWGAVTINVPKLSNKGKLLG QDEQPHIFG
7027	43	954	GRRLQQQRPEDARDGAGGGGGRGAGWEGGYPRIVKKNLPHH YYQELKTVPEGEWQFMALREPLPATLRTIGYKSHAKILHCL KMYFKRLDLEMDGQKVEVPQPLSNYPRELAWNTLSKILRK SPHLEKQHQVLVSETESGNISQRAVSMIDPILLNVRPHKILD MCAAPGSKITQLEMLHADNVPFPEGFVIANVDNRCRYLLVH QAKRLSSPCIMVNHDASSLPHLQIDVDGRKSLFYDRILCDVP CSGDCIMRKNIDVWKNITLNSLQLEKQLRLATRGABQL
7028	189	608	SRPPPEPEPGTIVKGGSSSSKGGVPGTPTSTQSLGSNNFIRNS KKMQSNYSMLSPITYQRNEDPRKLFSLPRAERLIVDYSCALQR RILLQGRLYLSENWICFYSNIFRWETTISIQLKEVTCLEKETA KLIPNAIQ
7029	1343	40	VLESNTBAKQATGTSSKLEHGTGQEKQREOPRCPSQLAQLRLWG /PCPHAGRETPRASAPIPGS*GHWHW*RKDGRGERSEGPSAL SPHSPLILANMQAPTHVPGMGSSQRPSSVVPQVGVGSQLSRB RMRA*RLPGAAASERTENTKERSF/RPCOGYSSNMFTOPGKK TRKNSRRNIMVSRGGGCLLYPLQSIMPR*QLE*GAHASPTQC R*GKGGPRSPPLTKASGTHITPTFPFGSI/RPTRDGSGGTDNS\ AAPGQKRGHREA*QGPEPV/NGKVTTHLQGPAG*TKPLGS/ENW VPGPAEGEGGAGLEGFP*PLKGCSTLTSPQLSI PMVGGKP PBGTTASFPF\RSCHSE*RKPPSPCPHAPALSILPHPLPLPLPPL PLPLPGAGT*BSARSGRPGQSETGSLCHNCHCPPECPCSPGG T
7030	2	521	FVCFSAPEGGGGKRRVNNELSAVGERVFAARALLKRRIRKGRM EYLVIKNGWSQKYSTWEPENILQARLLAAPREREREMELVGP KRGPKPKTFLHQAQAKAKATYEPKSDSARGIRIPYGRSPQDL ASTSRAREGLN\RVCPRQRAAPAPAAP\PRRGPSPGPRPG*G PGLHPFGPGGPPSKGFVPASEQHQQHQLPRRGPSPGPRPG
7031	960	59	HCSVPAKWPFRKPPAQICPOLTSRPHLSPPRSLSPGCGHSPGPG /CKPS/RHCDLHEGFSRTAALPCGKPOPKHGVBECC/PCPCLA PRLTEPPALTVSPVGRAPSGAL*PSGRACSACSHRLAPEAAL SAAAPRPSLGGQNASGLPAASLPQDSSQPHCTVPSPARSVPP LGAQARAAPPRLWCPRALVSG*EASPEAVSVAAGPPVPGTPTST SGSTASHSRGC*SPR*TPAPPRRDHGRSAFEVLTAASAPQC ASQGGPRPTGAGRTPSPLGLPFSRGPAPASARPPCRHPSL
7032	1393	2104	RRFGRTPEVPEPPVPPPRASNSKRCR*RNHLAPL*QSPLRK SRQIGTSSLPFGESAGERPRPAATFCLSRGGSSPVFL*PSSSSL EPWMKRQFGRHLSLPWKS*QKMSFLLTPKLDTSLSGNRYRQR LPLRYTLKKSILQASLAPPLPTPAPLASSLPVPPGPPPLLV PLA*LSRSGILVPPNSGFLSC\PIGDH*GSSGVRGSCGSPFP EHCNVLPPPP*LLDPR
7033	689	815	RSRDLSSSATSNRARRSKCSGPKRATPLDSGPGP*APPGPSSA

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			<p>LMPSSCPWRTGALGPSAGSRALGCRCTSSVCPGSRWLTRTSSP GCATRTWRTMRMEPPLRRMGESAPGIPAEPLPSAAPSGPSAPS AAAPSAPTTAAAGFNTL*SRRTAEWCWPPSCSCCWGNC*SWSA WDNRPPFLQVSPAPSSSCRSCCWLESIT*SSSTARSRTAGAS SSSTCPTSRSDRGAAWTF\SPWGAFLPLPCSVPLLSREALQDPR NPSP*GVCSSGSHAGLALGKPPVACSV</p>
7034	92	1942	<p>EDTSSMPFRLLIPLGLLCALLPQHGGAPGPGSAPDPAHYRERV KAMFTHAYDSYLENAPFPDELRPLTCDGHDWGSFSLTLDALD TLL\TLFYFQILGNVSEFQVVEVLQDSVDFDIDVNASVPEPTNI RVVGGLLSAHLISKKGVEVEAGNFCSPGLLEMAEEAARKLLPA FQPTGMPYGTIVNLLHGVNPGETPVTCTAGIGTPIVERFATLSSL TGDVFFEDVARVALMRLWESRSDIGLVGNHIDVLTGRWVAQDAG IGAGVDSYFYLKGAALLQDKLMAFLYKNAIRNYTRFDDW YLWVQMYRGTVMFVFGSLEAYNPGLOSLIGDIDNAMRTPLNYY TVWQFQGLPBFYINIPQGYTVEKRGYPLRPELIESAMYLTRAT GDPTLLELGRDAVESIKKISKVECOFATIKDLRDKLDRNRESF FLAETVKYLYLLFDPINFIHNGSTFDAVITPYGECILGAGGYI FNTAHPIDPAALHCCORLKEQWEVEDLMREFYSLKRSRSEKPO KNTVSSGPWEPPARPPTLSPENHDQAREKPAKQKVPLLSCPS QPFTSELALLQVFLDSS*PLDNFFIFIPLRLNTNKLALLAIKK K</p>
7035	92	1942	<p>EDTSSMPFRLLIPLGLLCALLPQHGGAPGPGSAPDPAHYRERV KAMFTHAYDSYLENAPFPDELRPLTCDGHDWGSFSLTLDALD TLL\TLFYFQILGNVSEFQVVEVLQDSVDFDIDVNASVPEPTNI RVVGGLLSAHLISKKGVEVEAGNFCSPGLLEMAEEAARKLLPA FQPTGMPYGTIVNLLHGVNPGETPVTCTAGIGTPIVERFATLSSL TGDVFFEDVARVALMRLWESRSDIGLVGNHIDVLTGRWVAQDAG IGAGVDSYFYLKGAALLQDKLMAFLYKNAIRNYTRFDDW YLWVQMYRGTVMFVFGSLEAYNPGLOSLIGDIDNAMRTPLNYY TVWQFQGLPBFYINIPQGYTVEKRGYPLRPELIESAMYLTRAT GDPTLLELGRDAVESIKKISKVECOFATIKDLRDKLDRNRESF FLAETVKYLYLLFDPINFIHNGSTFDAVITPYGECILGAGGYI FNTAHPIDPAALHCCORLKEQWEVEDLMREFYSLKRSRSEKPO KNTVSSGPWEPPARPPTLSPENHDQAREKPAKQKVPLLSCPS QPFTSELALLQVFLDSS*PLDNFFIFIPLRLNTNKLALLAIKK K</p>
7036	442	761	<p>CLAPLFSCFQIINLHLAPSGRLRWANLGGPGRN*LPGEGPSIPT RNW*ERKAGCSQFC/PAQHHGRPPGVSPLPEDPHPTTLRPLPP PPPPPPPPPRPPRNRPG</p>
7037	442	761	<p>CLAPLFSCFQIINLHLAPSGRLRWANLGGPGRN*LPGEGPSIPT RNW*ERKAGCSQFC/PAQHHGRPPGVSPLPEDPHPTTLRPLPP PPPPPPPPPRPPRNRPG</p>
7038	155	891	<p>GAGAASDMSSGLRAADFPWRKRHSQQLRRDRDRLQQAFFETIL QYNKLEKSDLHSLVLAQKLQAKHDVFNRRHISPGHGTWINDQ LQEMAQLRIKHQBELTELHKKRGELAQ\RVIDLNNQMQRKDREM QMNEAKIAECLQITISDLSTECILDRLKCLDERANQTLKDYDA LQITPTALEGKLRTTEENQELVTNNMAKKAQANRLNARB*KR LQEAASPAERACSSSGTSTSTG</p>
7039	155	891	<p>GAGAASDMSSGLRAADFPWRKRHSQQLRRDRDRLQQAFFETIL QYNKLEKSDLHSLVLAQKLQAKHDVFNRRHISPGHGTWINDQ LQEMAQLRIKHQBELTELHKKRGELAQ\RVIDLNNQMQRKDREM QMNEAKIAECLQITISDLSTECILDRLKCLDERANQTLKDYDA LQITPTALEGKLRTTEENQELVTNNMAKKAQANRLNARB*KR LQEAASPAERACSSSGTSTSTG</p>
7040	34	789	<p>KITPPRRFRCSSGHSNDSVLSGELPPAMGKTALFYHSGGSS GYESVMRDSBATGSASSAQDSTENSSSVGGRCRSLKTPKRRSN</p>

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			PGSQRRLIPALSLDTSSPVRKPPNSTGVNVGGLRSSPRGLG EPFBIKVYIIDOVERLQRRRGASKEAMCFNAELKILEHRQQR AEVRAKYKWLKELKATEQYLLMDPNKWLSEFDLEQVWELDSL YLEALECVTERLESRVNPKCAHLMITCFDIT
7041	1	567	SCRVAACRRRAPACGSLQRLMRHQYQSRSSHRHTDSMLHTSEL NDGYDWGRLLQSVTEQSSLDPLATAELAGTEFVAKKLNKIPV PAEARTGLLSFESQRIKKLEENKQFLCIPRRPFNNQNTIPBS LQAKKDNFLEWRRL\VRLEEBOKLILTPFERNLDFWRQLWV IERSDIVVQIVDA
7042	7	345	PTHMAAAALRADT\YSPLFPHTIGGYLLLSASHE\ATSLHTGAL PLETVTWYTVIPSKYVLVKPDTQYPYSEHLEDEFRLAENSASB DOLLMAEVALSDYGDLELTLHLEEKY
7043	2	2170	ARGMAARDSSEEDLVSYGTGLRPLREGERPKKPIPLDQTVRD EKGRYKRPFGAPSGGFSAGYFNTVGSKEGWTPTSTFVSSRQNRAD KSVLGPEDFMDERDLSEFGLAPKAVTTDDFASKTDRIRREKAR QLAAATAPIPGATILLDDLITPAKLSVGPFLLRDGHKGGQGVGP RVKRRPRRQKPDGPKVLYGICALPGSSSEGSSEGEDDYLDPNVTF APKQVTPVDFTPKDNVHGLAYKGLDPHQAIPGTSSEHFNLFSGG SERAGDLGRIGLNGRKLQISGQAPGVGALEESDDIYATETLS KYDTVLDRKPGDOLYGTAFRQYKQKESKKDLRYVGKILDG SLASKPLSSKKIYPPPELPRDYRFVHYFRFVVAATSESHLLQV LSRSAGKATPDGTHSKHQLNASKRAKLAGETPIQGSATSVLEF LSQXDKERIEMKQATDLKAAQLKARSLAQNAQSSRAQSPAAA AGHCSSNMALGGGTATLKASNFEPFAKDPEKQRYDEFVLMKQ GQKDALERCLDP9MTWGRGRERDEPARAALLVASHSTLSERF THAREDDSDQVBVPRDQENDVGDKQSAVMKHPGKLTTRDTFEW HPDKLLFQ/RLVGLPVRKDKYSVFNFLTPETASLPTTQASSE KVSQHRQPDKSRPSRWDTSEHKKKDSISEFLRLARSKAEPK QQSSPLVNKEERHAPELSAN
7044	276	734	EVYLTDEFAKGRKADLYELVQYAGNIIPRLYLILYVGVVYKS FPQSRKDIILKDLVEMCRGVQFPLRGLFLRNYLLQCTENILPDEG EPTDEETGDISDMDPVILNPAEMNKLNVRMQHQHSDREKR ERERQRLRLVGTNLVRLSQV
7045	3	513	LGPMEALSRAQEMSIAALKQHDPIYITSADLTGQVALYTPCP KANQWEKTDIEGTLFVYRSASPYHGFTIVNRLNMHNLVEPVNK DLRFQLEHFPFLLYRNASLSIYSINFYDKNDCHRIAKLMADVVEK ETRESQQA/RSGQTESQPGQNLQRPQAHHPGDAEQSQG
7046	3	513	LGPMEALSRAQEMSIAALKQHDPIYITSADLTGQVALYTPCP KANQWEKTDIEGTLFVYRSASPYHGFTIVNRLNMHNLVEPVNK DLRFQLEHFPFLLYRNASLSIYSINFYDKNDCHRIAKLMADVVEK ETRESQQA/RSGQTESQPGQNLQRPQAHHPGDAEQSQG
7047	103	486	QMKIEKQWSEGLTSIKGNCHNPYTAISKQVYTKELNLLNSKN IMLIDVREIWEILEYQRIPEINVPIDEGEALQMNPRDFKERY NEVKPSKSDS/IVFSYLAGVRSKKALDTAISLGPHSYHER
7048	92	627	FFCLTLSSWDYRHATRRVYSSPVFTMRDSGKTPSSRRREANY WKDLAMTYKQRAENTQREKREFQEGSREYEALETQLQIETRN RDLSENRLMELETIKKFEVQHSSEGYEQISALEDDLAQTKA IKDQLQKYIRELEQANDLERAKRATDEGLSKTFE\QRLN\QAI EKRW
7049	393	938	KRTGASASYGCPFPGLGSPATXASVAGRCSSVGKI PARRCYDEL VPVFEAVGRYIELRLMDPDGKNGYAFVYCHKHEAKRAVREL NNYEIRPGRLGVCCEVDNCRLLFIGGIPKMKREIELEIAKVT EGVLDVIVYASAAKMKNRGLRLRGVREPFRGCHWLGRKLIANK ASSLWG
7050	393	938	KRTGASASYGCPFPGLGSPATXASVAGRCSSVGKI PARRCYDEL

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7051	119	816	VPVPEAVGRIYHLRLAMDPTGKNGYAFVHYCHKEAKRAVREL NNYEIRPGRLLGVCCSVNCRIFIGGIPEMKKRERILEIRAVT EGVLDVIVYASAADKMNRLRLRGVREPPRGCHWLGRKLIAX ASSLWG KRMNLABRICNAKKGREYALYGVYDSSMVYTGQVNOQIQRHQS VRDPAIRGRWQVQRQLLEVEYQVKSIVGTLESFKIDKPPDFPV SCQDEFFRDPVWPPVPAERHAPQIR/RQSRSETSEERNGR SRSPGTCPST\PISKSKPSTSRDKDYRARGRDEGRKMNQDG ASDGEMPKPDGAGYDKLVZALERDIVSENPSIHNDDIADLERA KKLLREAGVLPMM
7052	467	715	SCPGRGKMSKLLNPREMTERDYYPDSYAFGLHEMLKDEVRTL TYRSMYHNKHVFKQKVLDVGSOTGILSMFAARQGPFR
7053	467	715	SCPGRGKMSKLLNPREMTERDYYPDSYAFGLHEMLKDEVRTL TYRSMYHNKHVFKQKVLDVGSOTGILSMFAARQGPFR
7054	1	1036	GTSQRSRETDARRRSAGAEPTARLPWPAALKEWSPCCBPLQPG RRCRWDMAYDEKLARFQAHLNPPNKQSGPQHEQQPGREVPD VTPERALPELPPGEPFRCPEKVMOLGLSEDFSRFVGLFLASD VQQLRQAIRECKQVILELPEQSEKQDAVVRILHLRLKLOBLKD PNEDEPNIRVLLSHRPFKESKSVQTCCKNTIINGLIQTWYT CTGCYYRCHSKCLNLISKEPCVSKVSHDAEYELNICPBTGLDSQ DYRCAECRAPI/CS/DOVVPSEARQCDYTGQYYCSHCHWNDAV IPARVVHNDPFRKVSRCMRYLALMVSRVRLRLRLIN DSRRVSWRSWLANE/WGKHLCLFIVLSMNVLLFWKTFLLYNQGP EYHYLHQMIG/ALCLERASASVNLNCSLILPNCRTLLAYLRG SQKVPSSRRTRRLDKSRTPHITCGATICIPSGVHVAHLVNALN FSVNYSEDVPELNAARYRDEDPKRLFTTVPGLTGVCMENVLFL M
7055	2	527	DSRRVSWRSWLANE/WGKHLCLFIVLSMNVLLFWKTFLLYNQGP EYHYLHQMIG/ALCLERASASVNLNCSLILPNCRTLLAYLRG SQKVPSSRRTRRLDKSRTPHITCGATICIPSGVHVAHLVNALN FSVNYSEDVPELNAARYRDEDPKRLFTTVPGLTGVCMENVLFL M
7056	2	527	DSRRVSWRSWLANE/WGKHLCLFIVLSMNVLLFWKTFLLYNQGP EYHYLHQMIG/ALCLERASASVNLNCSLILPNCRTLLAYLRG SQKVPSSRRTRRLDKSRTPHITCGATICIPSGVHVAHLVNALN FSVNYSEDVPELNAARYRDEDPKRLFTTVPGLTGVCMENVLFL M
7057	1368	431	GIYLVNEXIIPRTICIGDEQENDENLWLENHRDQELLHASCQA SGEVPASALRGFTTDEPGCFEGENLEALQNIQDEGTGBQL SPQERISEKOLGQHLNPHSGEMSTMLEKEKETSQKGPAPAM AQKLPTCRBCGRTFYNSQLIPQRTHTGETYPQCTICKAPLR SSDPVKHQRTHGCKPKCDYCGKGFSDPSGLRHEKIDTGRKP YKCPICEKSFIOBSNFRHRQVHTGERPKYKCHOGESFSWSSSL DKQRSHLGKPPQ*PVTKLSPPISISQPSHKNTQLHQSRLCLR GYPC
7058	1	469	PSGFGAVPDALGCRMSDLRI TEAFLYMDYLCPALCCGPPPAR PEYDLVCIGLTGSGKTSLLSKLCSBPDBVVSTTGPSIKAVPPQ NAILNVRIGQADNIRKYNRYTQSGQGVIPVLDASASSEDLA ARN*SC TOLLQHPOLCTLPFLILA
7059	1	1178	WPAFPQPAAMADALGTGPRRARGCLGAAGPTSSGRAARTPA APNARPSAWLECVVTFDLKLGQALELVYPNDFRLTDKBSI CYLSPPDSHSGCLGDTQFSFENRQCGQRSFWHADDRHYNSRAP VALQREPAHYGYVYFQVQKSSVKGYPQKSLVLVSLPFPVRL FOALLSLIAPETFDKLAPCLRAVCSKIDQNPAPAPQTLNLPVM GVVVQVRI PSRVDSSESPPPQPDQENLLPAPVVLASVHELDLP RCFRPVLTEMQTLNEMNLGEPFLVLAPSFDVSSMVLALTSCL QPLRFCCDPRPYFTIHDSEFKETTRTOAPPNVVLGVTPFPFIK TLQHWPHILRVGEPKMSGDLPEQVILKPPKV*RPWDTP
7060	90	1670	SVNLPFSLWPNNEAMDSTKSEPLKGSPEARQGNIEYKELVNPSQ YRFEHLVTOMKNRLQGRCEAVYQIGVEDNOLLVGLAEEMRAS

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			<p>LKTLHRMAEKVGADITVLREREVDYDSMPKITEVLVRKVPDN</p> <p>QOFLDLVAVLGNVDSEKSTLLGVLTQCELDNGGRARINLFRH</p> <p>LHEIQSGRTSSISPEILGFNSKGEVHGINGTQWQTLRHH***</p> <p>RT*DGGRVWRLFEIV*MAALEGL*TSSAPLRKSMGNQLA*IKNG</p> <p>VKIKRQGHPCNGLCPGHEGVRGRARRH*GPWALQVNVYSDSR</p> <p>TAEICBSSSMITPIDLAGHKYLTHTTIFGLTSYCPDCALLLV</p> <p>SANTGLAGITREHLGLALALRVPTFIVVSKIDLCATTVERTVR</p> <p>QLERVLEQPGCHKVPMVLTSSDDAVTAQQYQSPNVTPIPTLS</p> <p>SVSGSLDULLKVFNLPLPLTNSKQEKLMQQLTEFQVDEIYTV</p> <p>FEVGTVVGGLSR*IDLLATLPTQSPSPITSXTSNPEGGDGI</p>
7061	364	710	<p>ARMPSPFGPPCLFVMDPPTTLKEPETARLEPRGFCYQEVAGPRE</p> <p>ALARLELCCQNLQPEAHSKEQMLEMLVLEQPLGLTPPEIQAWV</p> <p>RQQRPGSPREAAALVEQLQHP*ARMPSPFGPPCLFVMDPPTTL</p> <p>KEPETARLEPRGFCYQEVAGPREALARLELCCQNLQPEAHSKE</p> <p>QMLEMLVLEQPLGLTPPEIQAWVRQQRPGSPREAAALVEQLQHP</p> <p>PGQLLG</p>
7062	71	744	<p>AKAGTNLRRLHWSYFFCIPKHLKSSQDKVRQPNACTQAGBR</p> <p>TAIVCLTQWENRLEADTSFFQNPDSLHRESMRNAVDEKKLERL</p> <p>YGRYKDPQDENKIGVDGIQPCDDLSLDPASISVLVIANKPRAA</p> <p>TQCEPSRRBFLDGMTELGCDSEKELKALLERLEQLKDTAKFD</p> <p>FTQFTPTPAKNPQEGDL*MGATWKLVLSEGRFKFLYLWNTPL</p> <p>NEHH</p>
7063	2	562	<p>LRTVPDLPGRRFRANRTGQRR*PELPPDMNSLEQARDLKAFERR</p> <p>LTRYIHCLOPATGRMRLIVVSVCTATGAWNLIDPETQKVSE</p> <p>FTSLNHHFFFTISCITLIGLFPAGIEKRVVAPSI IARCRVTVA</p> <p>EYNMSCDDTKLLKPEPHVQ*QSSLIVMGLKIAFLRISDTAKS</p> <p>HKGFLRLDM</p>
7064	300	884	<p>EDTGSDFSSSTRRLCSTCCTGH*PARPIASPHPSRGTCPPASSAS</p> <p>SRRTGCTCPPESGHAQARRSRASASRWGARGAVSVAARCC</p> <p>SSRAGRRLTGPGRREGPPACAAAAGRLRGAP*AAFPASVPAR</p> <p>CRCPAARTGAPAAATWLRRLSGLRAPALGRRRS PGSPKBAAP</p> <p>PLLTPLCAGRAGGSRANS</p>
7065	1	555	<p>ATTTHSARREGRGAAABAAAAGGRQKGFDRKAWBGRRTTGG</p> <p>RSQSEPKAPPQKRSEAPASMAHSFVAVQVPGWQNNIADPSEL</p> <p>FTKLERIGSGSPGEVFTGIDNRTQQVVAIKI IDLEBARDEIEDI</p> <p>QQEITVLSQCDSSYVTKYTGSYLKGSKLWIMBYLGGSSALDIL</p> <p>RAQPFDEFQ</p>
7066	356	676	<p>PGPQRGFWAREGGHFLDPADHPAPASTLRSNVRAATMQICDT</p> <p>YNQHSLEFNAMNRFIGAVNMMDQTVNVPSLLRDVPLADPGLND</p> <p>VGVEVGGSGGCLERTPP</p>
7067	152	973	<p>KENITMATEIGSPRRPFHMPRFOHQAPROLFYKRPDEAQOQAMQ</p> <p>QLTFDGRMRKAVNRKTIIDYNPSVIKYLENRINQRDQDMRAIQ</p> <p>PDAGYNDLVFPIGMLNPMNAVTTKFVTSZKVCVPVVRW</p> <p>TPEGRLVTGASSCRPTLWNGLTFFNFETILQAHDSFVRAMTWSH</p> <p>NMMMLTADHGGYVKYQSNMNNVMFOAHKEATREARFIHNIP</p> <p>FEVVPVVMVLPSEKILGAEMHGLCQFLGNFLHPINTIPFPVPT</p> <p>HSPFCHAPP</p>
7068	222	816	<p>DTMKYVLLFLALCSAKPFFSPSHYALKNNMLKDMEDTDDDD</p> <p>DEDDDDDDDDNSLPTREPRSHFFPFDLFPNCPFGCCYSRV</p> <p>VHCSDLGLTSVPTNIPFDTRMLDQNNKIKBIKENDPEGLTSLY</p> <p>GLILNNKLTKIHPKAFLLTKKLRLYLSHNQLSEIPLNLPKSL</p> <p>AELRIHENKVKIKQDTFKIK</p>
7069	1147	1765	<p>FRDHRYYFYNEQSGESQWEPDGEKKEBESQAQENRDETAKQ</p> <p>TLKDKTGTDSKSTESSETSGSLCKESFSQGVSSSSLMPLTPFW</p> <p>TLLQSNVFLQPLPLEMPPPPPPPPPPPPPPPPPPPPPPPPPPP</p>

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			ERTKKGRKQAKKSKTKMPGLVAKWQSIQRELDERRNSSSSSEED RVSTAQRRIEENRQQQLVSGMAERNANFEA
7070	1	547	DGTMEDSEAVQRATALIEORLQOREENKLRGDARQRLPMDLIV LEDEKHEGAQSAALQKVEGQKRVKTSLOLRRLIDVGGTQNL KLKKRQKRRDALAASHEPPPEPSETTOPVDRETFKAAVEGK MKVLEKFLADGGSDTCDQPRRTALHRASLEGHMETLSEKLLNG ATVDFQ
7071	2	921	ARGTLRALETAIKVGVGANGQKAAGPSADSVTENKIGSPPKTP VSNVAATSAGPSNVGTLELNVPOKSSPFLTRVPAYPPHSENIQY FQDPRTOIPPEVFPQYPTGYPPPTVPAGVAPCVPRFVRSNNV FESSLPASMPYADHYSTFSPRDMNSSFYQPPPPQPYGVPVFPV PSGMYAPVYDSRRIRWPPMYQRDDIIRSNSLPPMDVMHSSVYQT SLRERYNSLDGYYSVACQPPSEPTTVPPLPREPCGHLETSCEBQ IRRKFDMAQYHTQKAPLVSSSTLFVATQSPPTPSTLNRGEGS
7072	2	921	ARGTLRALETAIKVGVGANGQKAAGPSADSVTENKIGSPPKTP VSNVAATSAGPSNVGTLELNVPOKSSPFLTRVPAYPPHSENIQY FQDPRTOIPPEVFPQYPTGYPPPTVPAGVAPCVPRFVRSNNV FESSLPASMPYADHYSTFSPRDMNSSFYQPPPPQPYGVPVFPV PSGMYAPVYDSRRIRWPPMYQRDDIIRSNSLPPMDVMHSSVYQT SLRERYNSLDGYYSVACQPPSEPTTVPPLPREPCGHLETSCEBQ IRRKFDMAQYHTQKAPLVSSSTLFVATQSPPTPSTLNRGEGS
7073	50	504	LAHGSFGVSDFFAPAAAPANTLTSPSGSLSPQPKPLGRAPAMP LVRYRKVILGRCVGTSLAHQFVEGEFSEGYDPTVENTYSKI VTLGDESHLHLVDAGQDEYSILPYSPIIGVHGTVLVYSVTSL HSPQVIESLYQKLREHAGK
7074	263	1003	VCPVLCSTQRPFGHSSLVITYFGKPTRKEPPLLGHCIAAGKMTIS VDLETNYAELVLDVGRVTIGENSRKKMKCKLRKKQNERVSRAM CALLNSGGGVKARIENEDYSYTRDGIQGLDLENSFSNILLFVPE YLDPMQNGNYFLIPVKSNSLNTSGLRITTLSSNLYKRDITSKV MNATAALEFLDMKTRGLYLRPELLAKRPVVDIQENNMAL AGVFFDTELRKELLYPTSTHVEI
7075	598	1005	WYINFFPKGYFPVQKVEINPRLSELQGVBRIMKTBSEBQ VEPRIKRVQKREHCSTYQPTPLSPASKCLTHLEDLQRNCRQ ATTLESTGFLRITSIHQNSGGQKSONTGLTTKQFYGNVVKVP IDII
7076	279	1049	LQSSSNAAGNEQRHEDORSKRGGSNGKRRKKPLKEDSNAPK SPLTGYVRFMNERREQLRAKRPVFPPEITRMIGNEWSKLPPEE KQRYLDEARDKRYMKLEBQYQKTRAYKVPFRKTDROKGRSH RQDAARQATHDEKETEVRKERSVFDIPITFEPLNHSKAREBEL RQLKSNMEFEERNAALQKHVESMRTAVEKLEVDVIQERSRNTV LQCHLETLRQVLTSSPASMPLPEIGETPTVDTIDSYM
7077	3	1119	SSMGSNSBYNGLARKTDKYGFLGGSQYSGSLKSSIPVDVAROE ELXWLDMPFNNDKWLSRRFQKVLRCREGIPSSLRKANQVLSN SKELLEONPRKFELELRAPGDPKWLDTIEKDLHRQFPFHEMF EGGEGQDLYRILKATTIYRPDEGYCQAPVAAVLLMHMPARQ APWCLVQICDKYLEGYYSAGLEAIQLDGEIFFALLRRASPLAHR HLRQRIDPVLWTFWEMCI PARTLPNASVLVNDMFFCEGVKI IPRVALVLLRHTLGSVEKLRSCQGMETMEQLNLPOQCMQEDF LVHEVTNLVPTREALIERENAAQLKKNRETRGELQYRPSRRLHGS RAIHEKRRRQQPPLGPSSS
7078	483	767	FOGORMAGEQKPSNLTLEQFILLAKGTSGSALTALISQVLEAPG VTVFGRILLELANVQELAEANAAVYLQLLNLPAYGTTPDYIANKE SLPELY
7079	2	376	SVVEPKRPKEPFGSDGESDGPIDVQEQQLSQMARPLSTPSSSQ NQARKKRRGIIEQRDRINSSLSGLRLVPTAFERQSSKLEK

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7080	200	595	AVLQMTVDHLEMLHATGGTGHALLFQASFIQQIP VQLPLAPCLSLSCRDHSGGNRDLRRHRDCRVYGSPODGIPIY LTHPLCHQDVVSVGRILQIRALATPGHTQGHVLYLLDGEFYPKGPS CLFSGDILLFLSGCGEFPKREELGEGHTEVRAATVPWRALEP
7081	213	506	AVTEEMILNSLSLCTHKLILAPWVRVGTLPMLLALDYGADI VYCEELIDLEMLQCRVNVNEVLSVDFVAPDORVVFRTCEBEQN RVVFPQMGTS
7082	3	1137	APSRNTMLMANCRGPFVLLCLMGLGTNSFLHGLGQEPPEGARS CCRSSPRDLRDGEHEHAAQKAPGAESCPSLPLSISDITGCL SSLEMLRLPFLRRESSPRELKDSSGQGRCGPTHQGSSEDPMLS QAQSATEVEERHVSFSCSTSEHRRFPQAGBLILASTGBGRTKPK LFLRANFGLLNSNQAVFPGRIVGRKPPGQILRSSEGRQYMLRRP ALEDDYVVLAKRGTAITPPKIDNMILSMMDINPGDITVLEAGSGG GMSLPLSEAVSGSGRVISFEVRKDHEDLAKNKYKHWRDSWKLSE VEENFDNVDFTKDDISGATEDIKSLTDFDAVALDMLNPHVTLFVV YFELKHGGVCFVYVNNITQVIELLD
7083	115	541	ESNAVQLTMEYAMKSLSLYLPKSLSRHVSVRTSVVTQQLLSE SPKAPRARPCRVSTADREVRKIMAYSLEOILLKVRDITMLADK PFYFLVLEDDGTTVTESEYFQALAGDTVMVILQKQKQWQPPSBOG TREPLSLSHK
7084	3	522	NSVSVSSQSRFLASVFGTGVQSSAAADMAASTAGKQRI PKVAK VENKAPAEVQITABQLLEBAKHELELLPPPPPOOKITDREBLND YKLRKRKTFEDNIRKRTVISNWKYACQNEBSLKEIQARSIYE BALDVDYRNTFLWLYAEMEMKRNQVNHARNIWDRAITTL
7085	243	1499	RQLARLRRRGWRSPFGGAPMAHITINQYLQVVEYDSDRGASC ARLVSPFKHFNVANPRLQMASPBEKQQVLEPPYDEMPFAHLRCT YAVGNHDPTEAYKQQTIVVQSFLRAFOAKKENWALPVMYAVAL DLRVFANNADQQLVKKGESKVGDMLEKAKELMSCFRVCASDTR AGIEDSKKGMFLVNLQLFKTYFKINKLHICKPLIRAIDSSNLK DDYSTAQRVTYKYVGRKAMPDSDPKQAEVLSFAFEHCHRSSQ KMKRMILLIYLLPVNMLLGEMPTVELLKKYHLNQFAEVTAVSE NLLLLHEALAEHEAFFIRCGIFLI LKELKIITYRNLPEKVTLL KTHQLSLDAPLVALKPMQVEDVDIDEVQCILANLIYMGHVRGYI SEQRDLVVSQNPFPPLSTGC
7086	256	525	ILAAEMKQNSKLRPEVMQDLLESTDFTSHRIQENYKGFLEDCP SGHLSMEBFKKIYGNFPFPGDASKPAEHEVFTPDANGDGTIDPR EF
7087	166	723	LSGSEAGKVAAPCVPPSNHELVPITTENAPKNVVDKGEASRG NTRKSLDONGSTRVTPSVQPHLQPIRMSVSRTWEDSCLDLVY VTERIYAVFPPSTANENFESNLREVAQMLKSEHGGNYLLPMLS ERRPDITKILAKVLEFGWPDLETPALEKICSI CKAMDTWLAHP HRCRVLHNG
7088	104	759	GTSAAFPSSILEMAGETITGRLYSSYVGLVYMFNLIYVGTGALT MPKAFATACHLVSLVLLVFLGFMSPMTTTFVIEAMAAANAQLHW KRMENLKEEDDDSSSTASDSVLIIRDNYERAKRPILSVQRGS FNPFEITDRVEMGQASMPFNEVGVNLFYFCIIVYLYGDLAIYA AAVPPSLMQVTCSATGNDSCGVEADTKYNDITDRCHGFLRVD
7089	33	1775	SVCWEDRYLKARMEBSPLEAPSRGGVNFVARTYIPNTKVEC HYTLPPGTMPASDNIIGIFKVEAACVRDYHTFVWSSVPESTTDG SPIHTSVQFQASTYLPKPGAQLYQFVYVNRQGVCGQSPFPQPRE PRPMDELVTLEADGSSDILLVVPKATVLQNQLDESQQRNDLM QLKLQLEGQVTLRSRVQELERALATARQHTLEMEQYKGISRS HGETTEERDILSRQGDHVARILELDDIQTLSKVLITREVELD RLRDTVKALTRBQEKLLGOLKEVOADKEQSEALQVAQQENHHL NLDLKAKSWOBEQSAQORLKDQVACMKDTLQQAQQRVARLEP

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			LEBQLRGAGQLAASSQQKATLLGRELASAAAARDRTIAELHRSR LEVAEVNGKLAELGLHLKEKRCQNSKRRAGLLQSVBAKDKLLK LSAELRLLEKAVQERTONQVFTKLAREKDSLVQLSESKREB TELRSALRVLQKEKQLQKEKQLLEVVRKLEARLEKVADEKWN EDATTEDBAAVGLSCPAALTDSDESPEDMRLEHMAPVSVETQ ASLLGLLE
7090	33	1775	SVCWEDRYLKAENRESPLSRAPSGGVNPLNVRTYIPBTRVEC HYTLPPGTMPASDOWIGIFKVEAACVRDYHTFVNESSVPESTIDG SPIHTSVQFOASYLFPKGAOLYQFRYVNRQGVQGVQSPFPQFR PRPMDRLVTLREAGGSDILLVVPKATVLQQLDSSQQRNDLM QLKLQLEGGVTLRESEVQELERLALATARQEHTELMQYKGISRS HKEITERRDILSRQGGDHVARILLLEDDIQTISEKVLTKVBLD RLRDTVKALTRBQEKLLGLQLEHVQADKEQSEARLQVAQENHHL NLDLKAESWQEEQSAQAQRLKQVACMDTLGQAQQRVAKLEP LEBQLRGAGQLAASSQQKATLLGRELASAAAARDRTIAELHRSR LEVAEVNGKLAELGLHLKEKRCQNSKRRAGLLQSVBAKDKLLK LSAELRLLEKAVQERTONQVFTKLAREKDSLVQLSESKREB TELRSALRVLQKEKQLQKEKQLLEVVRKLEARLEKVADEKWN EDATTEDBAAVGLSCPAALTDSDESPEDMRLEHMAPVSVETQ ASLLGLLE
7091	186	1076	EGMLTFRHRCGRSEBQLEPWFSPKKARSORNLNNGFIRKMEP REPADSGQSLVFPVYIYSPFYVSMCDLAKIPKRASMVHSLIAY ALHKQMRIVKPKVASMEKMATFTDAYLQHLQKVSQEGDDHDPD SIEYGLGYDCPATBGIIFYAARAIGGATITAAQCLEDGCKVALN WSGGWHAKKDEASGFCTLNDVILGILRLRRKFERILYVDLDLH HGDGVEDAFSPSTKVMVTVSLHKFSPGFPFGTGDVSDVGLGKGRY YSNVPIQDGIQDEKYQICERYEPFAPNPL
7092	522	809	KQGINEDQESQKPRLEGCEPISERQMKKLIKQKQWEEQRELR KQKRKEKRRKRLERQCMENSDGHDREKVRREDVVHSTLRLLI DCSFDXLM
7093	454	655	NFGVSGVELAQASMVMSFVIAACQLVLGLLMTSLTESSIQNS ECPQLCVCEIRPFWPTQSTYREA
7094	2	508	FVRSMHNGVGFASSRCPVDLSWQSSISFPGWAGSEBFPSPYQ DIIAPFLQDYGGIMAGLSDPWWKTLTLTGALLAAAYLLHB LLVIREQQEIDSDAIILEQFAPFNGVPSLSPPFLKNETTLRM ADLPYQNYFGGKLSAQGEMPHIETNHEKVSGETPII
7095	1	411	IASSLPKMASLLQSDRVLYLVQGRKKVRAPLSQLYFCRYCSEL SLKCVSHVDHYCPSCLENMPSARAKLKKNRCANCFDCPCGMH TLSTRATSISTQLPDDPAKTTMKAYYLACGFCRNTSBDVGMAD KSVGR
7096	224	2067	ETRSIAVQEKPSQAGRRSSRI8FAGALFLTRPLQELLNLP SAMSAPADAAPAPASISLFDLSADAPVFOGLSLVSHAPGEALAR APRTSCSGSGERESPERRLLQGPMDISEKLPCSTCDQTFQNHQB QRBHYKLDNHRPWLKQRLKDKPLLSALDFEQSSSTGDLSSISGS EDSDASASEDLQTLDRERATTEKLSRPPGYPHRLVFNQAQGP LYAYRCVLGPHQDPPREKILLQNLQSEKGPDCVVLHAAAGHPA GAI FQGREVVTHKTFHYTTVRKRGTAGGLDARGGPPSHSAGAN LRRYNRATLYKDVRLLAGPSNAKALBBAQTILLRAPRSORSLE FGGKGAFLQGDPRLNDIPLATRRPTFOKLQVLEKLTTLHYVE EDPREAVRLHSPQTHMETVREERRKPTBEBIRKICRDEKEALQ NERSPKQSGSGEDGFPVLELVELTVGLDLCESEVLPERRR RKRNKKEKSRDQAGAHRTLLQTOREREPSTQSSQAVAPLGLPL LDEAKAPGQPELNNALLAACRAGDVGLKQLAPSPADPRVLSL LSAPLGSGGFTLLHAAAAAGRSVVRLLEAGADPTVCCQDH
7097	256	1228	IRTKSAATWBAWPCGREGSRIITTEPCANAGSRQELQTRTSS FLAAQGDQAFHSGLETNNSSELEPLRVGLKVAQGSPLMGGOVSA

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			SNPSRLHCENANEDWMSALCPRLNDVPLHLSIPGSHDTMYTC LNKKSPISEESRLQLLNLKALPCITRPVVLKMSVTOALDVTQ LDAGVRYLDLRIARMLGSEKNIHFVHMVYTTALVEDTLTEISE WLERHPREVVLACNPEGLSEDLREYLVACTNIFGDMLCPRG EVPFLRLQMSRGQVIVSYEDRSSLRREHLNPGVFYHNGNRVK TEALIRVLETKSCGR
7098	82	956	SSFLKRCRKVLGCGIPSEQLSFTLEKPEDEKIDNYCVMRLQT EARSGFWAPNRPVNICMTAVDGDGSGSRBTCTCRFPSPLEA LVLLQDNQPGGIGICTSPLGISWALLDYHARLTCPLSKPLLG LGSSVIYPLNLLHPRVLAVALPSALFSPYVALHFLQNLVL LLWVVLQGTDFMPDPSENLRYVTATILYFSWFNVABGRTRGR AIIHPAPLLSDSILLVATWTHSSWLPSCGIPQLNLFPVCGCCFP LGLALRLVYVHLPSCCNKPDFDQVD
7099	992	210	LFRLAPGLRLSLARQYHQIWAFFPLPSGATATWPAASRSLSA ARSLPRSPARPGNDALIGKHDFRGGQVRAORFRFSEBPGPAD GAVLEVEVPQIGAGVSLPGILAACKGARVILSDSSELPCLFVC ROSCMNNPLHLQVVLFWGHISWDLALPQDIILASDVFFEP EDFEDILATYFLMKNPKVQLWSTYQVRSADWSLEALLYKNDM KCVHLPLESFDADKEDIABSTLPCRHTVEMLVISPAKDSL
7100	205	671	ANGGFWEAAPGSEBSVSLPMLVPTASHSKTITAGIGSAPPPLSVL FLSPFPPLQGDPLEAFVFKKIDRNLAVSIECKRVSGLEPATV DWAFLDKTNMQTHYBQSEWGWKDRKREMTDDRANYLIANEN SSVFAFSBFRFVVERGDEVLYM
7101	2	503	WRGGPRRAKLAGGAVGVLLVGVHVSVRAGGGRPPRAADMKKD VRILLVGEPRVGTSLIMSLVSEEPFEEVPPRABEITIPADVTP ERVPTHTVDYSEABQSDQLHQBISQANVICIVAVNNKHSIDK VTSRWIPLINERTDKDSRLPLILGGNKSOLVYSR
7102	2	503	WRGGPRRAKLAGGAVGVLLVGVHVSVRAGGGRPPRAADMKKD VRILLVGEPRVGTSLIMSLVSEEPFEEVPPRABEITIPADVTP ERVPTHTVDYSEABQSDQLHQBISQANVICIVAVNNKHSIDK VTSRWIPLINERTDKDSRLPLILGGNKSOLVYSR
7103	119	438	GSQSSVAVNIRSGTDERSHDLNNGQASSVNLATASEKSSSES LSDKGSSELKESFDAAVFDVLEKVTPEYAGQITLMDVPPVKAIQ DELSSCGNNKKERYSSAP
7104	1670	795	RLMKHRSVSAGASGWLSSPGCTLLHPSLPERKRVYDILINAGV MRCPHWTTEDGFPMQPGVNHLEAWAGAAPWQAILPREPPKVL GF*V*VKSULFTILNPGHPLTLLNLLDKLASAPSRILNLSLA HVAGHIDFDLNNQTRKYNTQAAVCQSLKATVLTGKLSRRLQ GSGVTVNALHPGVARTLGRHTGTHGSTFYLQHN\WALLLAWS KSPRSNPAPAQHNTLAVARELA\VISGKYFDGLKQKAPAPAEAD EEVARRLWASARLVGLEAPSVREQLPR
7105	765	143	QMCRRPSPKSTSCLSMTCDLP/RGLQDPQCLALPRVAVDKHQA LLKAAMSGOGVDRHLFALYIVSRFLHLSQFPFTQVHSEQWLST SQIPVQMHLEFDVHNPDIYVSSGGGPGPADDHGYGVSYIFMGDG MITPHISSKSSSTKTDSHRLGQHIEDALLDVASLFQAGQHPKRR FRGSGKENSRRHRCQFLSRQTGASKASMTSTDF
7106	14	1064	GLQGHHPHRSASRIPADTH\YSKLQRAFTSIVNKHKRMPT YPRVGFPGSKFGDLDEQEFVYKEPATIKLPEISHRLAEFYGC GAEFVVKDSTPVDTKLDPNKAYIQITFVRPYFDEYEMKDRV TYFEKNFNLRRFMYTTPFTLEGRPRGELHEQYRENTVLTMEAP PYIKTRISVIQKEFVLTPIEVAIEDMKKTLQLAVAINQEPD ARMLQNLVQSGVATVNGGLEVAQVPLAIPADPKLYRHNKL RLCPKEFIMRCGEAVENKRLITADOREYQBLKKNYNKLKBNL RPMLEKIPELYKPIFEVESQKRDSFHRSSPRKCBTQLSQGS
7107	1145	591	*I*WLQTKKAK

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7108	1	942	VRVALLLTLELQPKRTSEHNSFTLKMPLFQPVNLNSSTFYIAF FLGRFTGHPGAYLRLINRWRLBCHPSGCLIDLCMQNGIIMVLK QTWENFMELGYPLIQNWTRRKVRQEHGPERKISFFQWEKDYNL QPMNAYGLFDXYLEMILQPGFTTIPVAAPLAPLLALLNNTIBI RLDAYKFTVQWRRPLASRAKDIGINYGLBGIGILSVITNAPVI AITEDFPIRLVYAYKYGPCAGQGEAGQKCMVGYVNASLSVFRIS DPENRSEPSDGSSEPSGTFLKYCRYRDYRDPFHSLVFYGYTLQF NHLVLAN
7109	964	102	WDQRKNSLVPGFAHGPAGQEPMEKKESLGAAQREALSTQLQPKR TQPPPRSEQVYLHPLSVVTEGPEPKDGSLSQPPPTTEVBSQVF SRRLATDTSTPRAISEGLRLQQRNPKARLEWSPAQERSFROM VVIRKEIPTGKKDHCSECGKTFIYNHLVVRQVRBSGKPYKC SDCGKTFQSSNLGQHQRIHTGKPYECNECGKAPFNGAHLVQH QRIHSGKPYECNECGKAPFQSSYLSQHRRIHSGKPFICKSCG KAYGWCSELIRHRRVHARKPSH
7110	96	697	RLDNFSGFLVEVTKERRHIVKPLYDRIYRLVKQMLTRASITPVLG SPSTKRRGQMLQPIIIGETAHFPERIKSEEDGVNLSSELGDM KTAVQVQSSILKNSSDVEENQKALDLRLSSRAASMPLELQ LNEARAKKKLRETLRPERAFYQNGRNAQKEDRVIVLEKYR YKKIEAKLRLLEVLISEQDSSKSI
7111	2	414	GSGLYRGPTFGGQCINWPNMPPDHERNFGFTQFALELNELTAE LKRSLPSTDTLRPDQRYLEBGNIAQAQAQKRRIEQLQRDRRV MEENNIVHQARFPRQTDSSGKEWVNTNTYWRRLRAEPGYGNMD GAVLW
7112	103	495	PRCFPVADRGRLIGGLPDVVTIMBGKTLNLTCTVFNPDPEVIN PKNDQDIQISEHFSVKVEQAKVSMITIKGVTSSEDSGKYSININ KYGGKIDVTVSVYKGRKIPDMAPPQQAAPKLIPASASAAGQ
7113	1	824	KCLRQANHPASSLAFTRWCSEERRAEAGGGLHRSITRDPKPPG LRPSQRPMDDKKKRSFKPCLAQPAQAPGTLRRVPVPTSHSGSL ALGLPHLPSFKQAKFRVVGKCKRPFVLAGGSGSAGTFLQHSF LREVTDVYMEGGGLNLNLNDFHSGRLQAFGKCSFQLEHVREM QEKLARLHFSLDVCGEEDDEEEDGVTGGLPBEQKKTMDRNL DQLLSNLGSCLCALVPGMRRGEGTYEQSHSWALGKGVVHGSK SSGPLNLPRR
7114	3	1492	VNEVDEQIDHYKESQDKFLWQAAPIGRETLRDESGQECKYCRKI IYLTNDPVSVRQLPKYYSWERCSEKHLN/FLGQNRSYVRKDDG CKAYWKVCLHYNLHKAQPAERFPDPNQRGKALHQEQALRKSQRS QTGERLYKCTECGVFTIQANLVVHQTHTGKPYECCECAKAF SQKSTLIAHQTHTGKPYECSECKTFIQKSTLIKHQTHTG KPFVCDKCPKAFKSSYHLIRHEKTHIQAPYRGIKCTTSLLIQ RIHTSEKQCSEHGKASDEKPSPTKHWRTHTKWIYBCKOOKS PGRKSHLSVBQRHTHGKPYECSTICGKTFSGRSHLSVBHRTHTG EKPYBCRCGKAFGEKSTLIVHQRMTGKPYECNECGKAPSEK SPLIKHQRIHTGERPYECTDKKAFSRKSTLIXHQRIHTGERPY KCSGKAFSVKSTLIVHRTHTGKPYECRCGKAFSGKSTLI KHQSHTGDKNL
7115	1	947	NAAGYINWGLWCMYIIPQDWLDRGDESAPITPAMIGCSFVVD REYFGDIGLLDPGMEVYGGENVKLMRVWQCGGSMVLPCSRVA HIERTRKPYNNIDITYAKRNALRAAEVWMDDFKSHVYMANNIPM SNPGVDFGDSERLALRRLKCSFKWYLENVYPENRVYNNLT YGEVRNSKASAYCLDQGAEDGDRALLYPCHEMSSQLVRYSDGL LQLGPIGSTAPLPDSKCLVDDGTORMPTLKKCEDVAREPTQRLWD PTQSGPIVSRAATGRCLEVEMSKDANFGLRLVVQRCGQKWMIRN WIKHARRH
7116	866	95	RVRMRNAEVIERRLSMKSWAKFRPGEPWKGYPNIDPETDPYVT PGSVNNLSINTVREVDHLDRNSGSSSLNTTLPTSTSAWSSIR

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			ASBYNPVLSSTAQSTSARNDSKLTNSFGSVTNTSLAHELHKVP LPPENITAPSRPPGPGTGTQKPLSTWDNSFLRIGGCGHSDARY TPGSEWGESSSGRITHWLVLRNLTPQIDGSTLTLCMQHGPLIT FHLNLPFGNALVHYSSKEEVVKAQKSLHISDLPLTL
7117	695	1261	LLISTPGGCHPPFSSLEFTYTGAWGKALFAPHEMPCAPGALPGA FVQAARATPLIQPSQAQAQAGLSQPARACGALCSLPWFLRWG SPILRLPGGLRTPTINDRTRTESAMACWARAQNDTLGLPLKLSHR GRVCLRHPRPTGVRGPGGAAGRQGGMTTRRGSTFTSGARDPGGL RVKHCQPTGHLF
7118	49	1863	PHCEPNPGAGAMVLLHVLFEHAGVYALLALKEVERISLLQPQVE ESVNLGKPHSIVRLVAPCPFPASSQVALKNAVSEGVVHEDLR LLETHLPSKKKVLLGVGDPKIGAAIQBELGYNCQTGGVIAEI LRGVRLHFNHVLKGLTDLSCAQLGLGHSYSRAKVFNNVRVD NMI IQSISLLDQLDKDINTFSMVRVWYGYHPPFELVKIINDNAT YCRLAQPIGNRRRLNEDKLEKLELTMDGAKAKAILDASRSSMG MDISALDLINIESFSSRVVSLSEYRQSLHTYLSRMSQVAPSL ALIGRAVGARLIAHAGSLTNLAKYPASTVQILGAEKALFRALKT RGNTPKYGLIFHSTFIGRAAANKGRISRYLANKCSIASRIDCF SEVPTSVFGKLRQVBERLSFYETGRIFRKLDVMKRAMVQAE EAAAEITRKLEKQBEKRLKKEKRLAALALASSENSSSTPECE EMSEKPKKKKKQKQEVPOENGMEFPSISPSKPKKKKSPSKEEL MSSDLERTAGSTSIPKRKESTPKESTVMDPEAGHRSKSKKCK PSKEEPVSSGPEAAGKSSSKKKKFKASQED
7119	49	1863	PHCEPNPGAGAMVLLHVLFEHAGVYALLALKEVERISLLQPQVE ESVNLGKPHSIVRLVAPCPFPASSQVALKNAVSEGVVHEDLR LLETHLPSKKKVLLGVGDPKIGAAIQBELGYNCQTGGVIAEI LRGVRLHFNHVLKGLTDLSCAQLGLGHSYSRAKVFNNVRVD NMI IQSISLLDQLDKDINTFSMVRVWYGYHPPFELVKIINDNAT YCRLAQPIGNRRRLNEDKLEKLELTMDGAKAKAILDASRSSMG MDISALDLINIESFSSRVVSLSEYRQSLHTYLSRMSQVAPSL ALIGRAVGARLIAHAGSLTNLAKYPASTVQILGAEKALFRALKT RGNTPKYGLIFHSTFIGRAAANKGRISRYLANKCSIASRIDCF SEVPTSVFGKLRQVBERLSFYETGRIFRKLDVMKRAMVQAE EAAAEITRKLEKQBEKRLKKEKRLAALALASSENSSSTPECE EMSEKPKKKKKQKQEVPOENGMEFPSISPSKPKKKKSPSKEEL MSSDLERTAGSTSIPKRKESTPKESTVMDPEAGHRSKSKKCK PSKEEPVSSGPEAAGKSSSKKKKFKASQED
7120	1991	64	QLGTRRLRGDKVTNAMQDFLVNTLEPRFTEPQTANLSVVFKDS NSTTPLIFVLSPGTDPAADLYKFAEMKFSKLSAISLGQGGP RAEAMNRSIERGKVVFFONCHLAPSWMPALERLEHINPDKVH RDFRLWLTSLPSNKPVSILONGSMTIEPPGVANLLKSYSS LGEDFLNSCHKVMEFKSLLSLCLPBGMALEKRRKFGPLGFNI PYBFTDGLRICISQLKMLDEYDDIPYKVLKYTAGHINYGRVTD DWDRCIMNILEDFYNPVLSPEHSYSASGIYHQIPPTYDLRGY LSYIKSLFLANDMPEIPGLHDNANITFAQNETFALLGTIIQLQPK SSSAGSQGRRIIVKDVTONILLKVFEPIQLQVMKYPVLYERS MNTVLVQSVIRYNNLLQVITQTLQDLKALKGLVVMSSQLSMA ASLYNNTVPFLWSAKAYPSLKPLSSWMDLLQRLDPLQAWIQDG IDAVFWISGFFPPQAPLTCTLQNPARKFVISIDTISFDPKVMPE APSELTQRPQVGCYIRGLFLGARWDPEAFQLAESQPKELYTEM AVIHLPTPNEKAQDDFYLCPIYKTLTRAGTSLSTGHSTNYVI AVEIPTHQFQRHWIKRGVALICALDY
7121	2	546	RPLRPVLSLGSWGLMTYGERQFQSLFTTMRRLIPPPREASAK LTTLVDADEAFTAYLHAMRLPKNTPEKDRRTAALQEGLEBAV SVPLTIAETVASLWPAIQELARCGNLACRSOLQVAKALEMGVP GAYFNVLLNLRDITDEAFRDQIHERVSSLLQEARTQAAVLDCIL

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7122	2	546	ETRQE RPLRFVWLSLGSWGLMTYGRQFQSLDTMRRLTPPPREASAK LPTLVDAADAEAPTAYLEAMRLPKNTPEERDRRTAALQEGLRARV SVPLTLASTVASLWPAQLARCGHLACRSDLQVAALAMGVF GAYFNVLINLRDITDEAPKQDILHREVSLLQBAKTQALVLDCL ETRQE
7123	1	1092	KPAVPEARSAGTSEAGRSAGRRVSCGSVSGDAAMRLTPRALCS AAQAANREWFPLCGRUARWPFCHMAKGLKMQSSLELVOCITR VEDARIPLSGRNPLPQRTLGKPHLLVNRMDLADLTEQQKIMQ HLEGBGLKXNVIPTNCVKDENVKQIIPMVTFLIGRSHRYHREKML BYCTINVICVFNVGKSSLINSLRQHLRKGKATRVGGPGITRAV MSKIQVSRPLMPLDTPGVLAPRIESVETGLKLALCGTVLDHL VGEETMADYLLTYLNRKQRFQYVQHYGLGSACDIVERVLSVAV KLKTKQKVEVLTGTGNVNVIQFNPAAARDPLQTFRRLGSSVM LDLDVLRGPRV
7124	2	382	LPLTLLAAPFAHLLPFGHDQSPCHFGPALSPTGLGFLSWAN ANSGLQLLGYFLALCGWGI IASTALPQWQSSYAGDASIQLRB KVPVLESEWGGDSLGLPRDCGNSCLLSAVRSRKQFWS
7125	166	1127	NCISBERNYSFSMQKGRGRTSRIRRRKLCSSSESEGVRSSEKSE FIELKKNLKAARKPQDSNLAPACFPGTGRGLMSQTSLOEQMIIS LPESCLLT/RDVTIRSYLGAYITKHPPPSPILLALCTFLVSEKH AGHRBILRA\YLEILPKAYTCTPCLEPEVVNMLPISLEKAEQ RAHVQEPASSRDFSSLIQPLFAEAVDSIPSYSAIINAWCTVNT RAVYL\SPGSGNAPLQSRTPVQLAPYLDLINESPHVQVKAAPNE ETHSYBIRITSRWRKREVFICYGPHDNQRLFLTYGPFVSVNPH ACVYVSRGNQLCS
7126	1	733	CRDMAAFIVPSPARRCSQKGSLSGLPTQFPLNAAWSPRGQERG SHSQAREPQRPGRWLLGSLQSSPGTLGQAGTASRRRCQVQRWV QVATGRRAVQVPGALGLALGETSPGASRCMSGGAGGCHALGWA PSPVLPWNLLGGPPWLSIIISDSGTQRPSPRRCPARPSFWGPQC WROGLASARASST*TPGSGSRARSGRSPGSRRESASAPSPPTP PTDACA*SCVARPAGRSRPA
7127	1311	277	GLPAMCST*KAGYYETEGDCIPKDR*IEKRPKEI*RRIPRIY AKQEQI*9*NSQKIGASEIDRGRKEADCSAPAAARIGAVSVFR RSTQBARVSPRSNAKSAHLRAVRAD*WZHPVLLPHTPEQLAEC ICRST*K*WHQLC*PLSSL*TGKRLKL*VLFRI*WLEKCDV *PQKIPATNFCWQNLQ*ER*KEVETSVEN*HIMNLLFM*L CQSSLEDQTTVTWRM*RNYSMFRINMISL*DGSIHIPLELHPY PALIFTLTPVINSQQRLPLPLFAHQSIETLASSGSPMLACLRFL LVKKRAFIHTPRSPGCSV*CKHVLVDKNNKCVGSEV
7128	2	5228	GRVDLWTILLGRSALRELSQIEBILNKHWRRLLEGLSYVKEPPSP SSAEKVKANKDVASPLKELGLRISKFLGLDEQSVQLLQCYLQE DYRGTRDSVKTIVQDERQSQUALILEKIADYTYEERTCLLRVLEL LTYFPQDERHPYRVBYADCVDKLEKELVSKYRQPEELKYTEAPT WETHENLATERQVSRWFPQCLREQSMLEIIFLYAYFEMAPSD LLVLTMPKEQGGFGRQTNRLVDETHDPFVDRIGYPSALILVE GMDIESLHKCALDDRRBLHQPAQGLICQMDCLMTPGDIPER APVLLAWALLRHTLWPESTSSVVRKIGGTALQINVPQYLTRLQ SLASGGNDCTTSTACMCVYGLLSFVLTSLELTLGNQODIIDA CEVLADPSLPELFWGTEPTSGLGIILDSVCGMPPHLLSPILLQLL BALVSGESTAKKVYSFLDRMSFYNELYREKPHDVISHEDGTHR RQTPKLLTPLCGQTNLRIPQGTVCQVMDDRAYLVWRWEYSYSSW TLFTCEIEMLLHVSTADVIQRCQRVKPIIDLVRKVISYDLSIA DCLLEPITSRIYMLLQRLTTVISPPVDVILASCVNCLTVLAARNPA KWTDLRRTGFLPFVAHPVSSLSQMSIAEGMNGGYCHLIMNSE QPQGYGVYIAPLRLITTLVKGQLGSTQSGLVPCVMPVLKREML

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
			<p>PSYHWRVNSHGVRQIGCLILELTHATLNLCHFTDLHSSHTPS</p> <p>LQFLCICSLAYTRAGQTVINIMGIGVDTIDNVMAQPRSDGAG</p> <p>QGGQQLLKTIVKLAFSVTRFVIRLKPSSNVVSPLEQALSQHGAG</p> <p>GNNLAVLAKYIYHKHDPALPRLAIQLLRLATVAPMSVYACLG</p> <p>NDAAAIRDAFLTRLQSK\IE\DMRIK\VMIL\EFLLVA\VESTOP</p> <p>GLIELFLNLEVKDG\SDGSEKFSLGW\SLCHAV/VNELIDSQO</p> <p>QDRYWCPLLEHRAAIAPLEALWQDRDSAMLVLETRPKFWENIT</p> <p>SPLPGTLEPPSETSEPSILETCALIMKIICLEYVYVVGSLDQP</p> <p>LKDTLKKFPIEKRFAYWSGYVKSIAVHVVAETGSSCTSLLEYOM</p> <p>LVSANRMLLIATTHADIMHLDTSVVRQLFLDVLDTGKALLIV</p> <p>PASVBCRLGSMECTLLILLRCKRELGSEVDEILGPLTEILBG</p> <p>VLQADQQLMEKTKAKVFSAPITVLOMKEMKVSIPQYSQVLVAV</p> <p>CBTQREVTALFDQTRHSALGSAETDKDSMETDDCSRSRRDQ</p> <p>RDGVCVLGLHLAKELCEVDEKGSNLQVTRLEPILPTLLTTEV</p> <p>SLRMKQNLHPTBATLHLLLTARTQQGATAVAGAGITQSICLPL</p> <p>LSVYQLSTNGTAQTPSASRKSILDAPSWFGVYRLSMLBQLLKT</p> <p>LRYNPLPRALDFVGVBQERTLQCLNAVRTVQSLACLERADHTVG</p> <p>PYLQSLNFMKEWHFLPQLMRDIQVNLGYLQCACTSYLHERKML</p> <p>QHYLQKNGDGLPSAV\AQRV\QRPPSAASAAPSSSEKQPAADTE</p> <p>ASEQQALHTVQYGLLKILEKTLAALRHPTPDVCQYLLDQSLDLA</p> <p>EYNFLFALSFTTPTDSEVAPSPGTLLATVNVVALNMLGBLDKKE</p> <p>RPLTQAVGLSTQAGRTILKSLIMPTMENCFTLLISQAMRYLAD</p> <p>PAVHPDKQRMKQELSSBLSTLLSSLSRYFRRGAPSSPATGVLP</p> <p>SPQCKSTSLSKASPESQREPLIQLVQAFVRHMQR</p>
7129	1	1054	<p>PRFRWRRLH*AGPASSAGGSPGBASGTMSELPPNINIKEP</p> <p>WDQSTFGRANHFPTVTDPRNILLTNEQLESARKIVHDYRQGITV</p> <p>PPGLTENELWRAKYIYDSAPHPDTGEMNIIIGRMSAQVPMNMTI</p> <p>TGCMHTFYRTTFAVLFWQINQSPNAVNYNTRSGDAPLTVNEL</p> <p>GTAYVSATTGAVATAGLNLTKHVSPLIGRFVPPFAVAANCI</p> <p>NIPLMRQRELKVGIPVTDENGRLGESANAARQAITQVVVSRI</p> <p>MAAPGMAIPPFIMNTEKCAFLKRFPMASAPIQVGLVGPCLVFA</p> <p>TPLCALFPQKSSMSVTSLEAKLOAKIOBSPHRLRVVYFNKGL</p>
7130	2	780	<p>HEVPSLQSDPLPGSVQRCSSVVVSQPNKENWCQDHLNLSGRKG</p> <p>ISAREQPTHSQSSSVLNLKSMDSINYPSPDVGRQQLLSLHRS</p> <p>RCESHQDLLPDADSEHQGTREKLSDLTLQDSQKVVVNRMLFLN</p> <p>AQIATONYPSNFKETDGEDDYVEIKSEDESELELSHNRKRS</p> <p>DSKPVADAFSDNVCSGNTLHSLNSPRTPKPFVNSKLGSLPYLTP</p> <p>YNSDEKLDYLRGSPSNQONIVQSLREKFPQCLSSSSFA</p>
7131	805	573	<p>AAAGHIEVVKFLIEACKVNPFAKDRWGNIPLDDAVQFNLHLEV</p> <p>KLQDYQDSYTLSETQARAAARALSKEINLESMV</p>
7132	1420	1087	<p>IDMLLSGALVSGPYTLITTAVSADLGTHKSLKGNALSTVTA</p> <p>IIDGTGSGAALGPLLAGLLSPSGNSNVPYMLMPADACALLPLI</p> <p>RLIHKELSCPGSATGDQVPFKEQ</p>
7133	2	3648	<p>QQIPGLLPAGHESGDALRKPRLOKPFITGHLDLFFTLPSLEK</p> <p>REBLLLELVQDHFGCGPLDGGALEILERRLRVGVNGLGFVQ</p> <p>RPQVVVLVPEMDVALTRASFSRKFVSSSKTSSGSQALVLRSL</p> <p>RLPEMVGHFAFAVIFQLEYVFSSPAGVDGNAASVTSLSNLACMH</p> <p>MVRNAVWNPILLEADSGRVTLPLOGGIQPNPESHCLVYKVPASMS</p> <p>SEEVKQVESGTLRFQFSIGSEKHLADPTEFVSGPKVERRPSRK</p> <p>PTSPSPFAPVPRVLAAPQNSPVGPGLSISQLAASPRSPTQHC</p> <p>ARPTSQLPHCSQASPAQAQEPLEAGISHLEADLSQTSLVLETS</p> <p>IABQLQELPFTPLHAPITVVGTYTRSSAGQPSRASMVLQSSGFP</p> <p>EILDANKQPARAVSATEPVTTFNPOKEESDCLQSNEMVLQFLAPS</p> <p>RVAQDCRGTSNPKTYFTTQFYRFPFATTPRLQLVQLDEAGQPS</p> <p>SGALTHILVPSRDGTFDAGSPGFQLRYMVGPGFLKPGRRRCFA</p> <p>RYLAVQTLQIDVWDGDSLLLIGSAAVQMKLLRQGRFAVDASHE</p>

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *-Stop Codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
			LEVVATRYEQDNMVVSGDMLGPRVXKPIGVHSVVKGRHLTLAN VGHPCQKVRGCSLTLPSSRSRVISNDGASRFGGSLITGSSRR KHVVQAKLADVDSELAAMLTHARQGGEPQDVSRESATRRK LERMSVRLQAGGDLGRGTSVLAAQSVRTQHLRLQVIAAYE ERTKASIASLLSLAITTEETLHATLGVAEPPEPVLREPHNTQH TVTVEIDNPESVIVDSQENRDFKGAAGLHTFVEEDMFLRGSL APQLYLPHETARVPPKQSPSAGQLAMVQASPGLSNRKGMNAV SPWSSAVPTTEAKVLFPRASGGEPDAVLCITVELQPHVVDQVFR FYHPKLSFLKKAIRLPPWHTFPGAPVGMGEPFVHVRCSDFNV ICTQNVGPGEPDIFLKVASGSPRIKDFVVIYSDRWLATPT OTMOVYLHSLQEVDSVCVAGQLTSLSLVLEGTQTVRKVRAFTSH PQRKTDPRGVVPLPERGVQDLHVGVRPLRAGSRPVHLNLVDVD CQQLVASMLVCLCCRPQLISKAFEDMLAGEGKGVNKRITYTNP YPERRTFHLHSDHPELLRPREDSPQVGGGETTITGLQFAPSQRV GEEETLTYNDHEDRNRKAEFCVKVITYQ
7134	2115	1111	GGEGFSYFPHVGLSLGTPLDPHYVLEVHYDMPTTEEGLYDNG LELFTYMDIRKYDAGVIRAGLHVSLFHTIPPGMPEPQSEGRCTL ECLERLBAEKPSGTHVPAVLHAHLAGRGIRLRHFRGKQMKL LAYDDDFDNFQEPQYLKEEQTLPGDNLTICRYNTKDRABMT WGLSTRSEKCLSYLLYYPRINLRCASIPDIMEQLQFIGVKRI YRPVTWPPIIKSPQYKRLSPMDAMNRPKWTKEGSLFNKLVL SLFVNVECSKTDNAEWSIQGNTALPPDIERYKAEPLVCGTSSS SSLHRDPSINLLVCLLLSLCTLSKSL
7135	2	2072	FVPRVTPRSLSLQGPKEGVSUSITQPLPSSVLIIPRAESDGRCL MDALELALRCSSILRLGTCKPGRDGEPTSPDASPSLCLGLPA SATVHPDQDLPLNGSSLENDASFDSERENPEESDTETQDHSR KTESGSDQSETPGAPVRGTTTVEQVQBELGRLGEASQVETVSE ENKSLMNTLLKQLRPGMDLSRVVLPFPVLEPSFLNKLSDYYTH ADLLSRAAVERDAYSRMLVLRWYLSGFYKQPKGIRKPYNPILG ETRCCWFPHQDSTRFTYLAQVSEHPPVSAFHVSNRKGPCIS GSITAKSRFYGNLSALLDGGKATLITLNRADYTLTMPYAHCKG ILYGIMTLELGGKVTIACAENNFQALEFKLPFPFGSTSINQI SGKITSGEVLASLSGHWRDVFIEEGSGSSALPWTSGGEVRR QRLEQRTVLEBQTELESERLWQHVTRAISKGQRRATQKFPAL REAQQRARERQESLMPKPKQLFILDPIITQEWYTRYEDHSPWDP LKDLAQFBOGILLRTLQRAVARQTTFLGSPGPRHERSGPDQRL RKASDQPSGHSQATESSGSTPESCPHLSDEBQDGFVPGGESPC PRCKEARLQALHBAISIREAQQELHRHLSAMLSSTARAQA PTPGILLQSPRSWFLLCVFLACQLFINHLK
7136	2	418	DFVPSFRPSCGTSQTVMLYRAATLEKEVAGLEKIHHLDDMLK SQORKVRQMIQQLQNSKAVIQSKDATTIQLKEKIAYLRAENLEM HDEMEHLIERQISHGNFSTQARAKTENPGSIRISKPPSPKPMFV IRVET
7137	2	466	NASGMSVPGGSRHSLGIQVRGNGVTGGERESLTVPVADTWQA GSPKVAQERNPQRAQMRLRRQKGVVPLGDPLTELQRLDSAI PDDLGNNTNRSKEVRVLQEMQLQVAMNYRLRPLEKFVITYFT RMEQLSDXESYKLSQLEPENP
7138	2	466	NASGMSVPGGSRHSLGIQVRGNGVTGGERESLTVPVADTWQA GSPKVAQERNPQRAQMRLRRQKGVVPLGDPLTELQRLDSAI PDDLGNNTNRSKEVRVLQEMQLQVAMNYRLRPLEKFVITYFT RMEQLSDXESYKLSQLEPENP
7139	1	357	SLRNSARGLEMAASAARGAALRESINQPVAFVRII PWTAASSQ LKSHFAQFGHVRRCILPPDKRTGPHRGCLGVQFSSREGLRNALQ QENHIIDGVKQVHTRRPKLPQTSDDKKDP
7140	1401	1957	RASSLQVLKAWGGLFPSSFGQQTGQYALELFDLKVYDCFCSP MNVSLKKQLRPSQPWPRGKCRKTPGWEARPKAQDLRGDLGKT

SEQ ID NO:	Predicted beginning nucleotide location corresponding to first amino acid residue of amino acid sequence	Predicted end nucleotide location corresponding to first amino acid residue of amino acid sequence	Amino acid segment containing signal peptide (A=Alanine, C=Cysteine, D=Aspartic Acid, E=Glutamic Acid, F=Phenylalanine, G=Glycine, H=Histidine, I=Isoleucine, K=Lysine, L=Leucine, M=Methionine, N=Asparagine, P=Proline, Q=Glutamine, R=Arginine, S=Serine, T=Threonine, V=Valine, W=Tryptophan, Y=Tyrosine, X=Unknown, *=Stop Codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
			QAGPAEARTGPPRLPAATGCPHLPGLLSGISVDIDPTGLQSQ WTFEGQDPPLMFSEDYQKSLLEQYHLGLDQKLAKYVVGELIWNF ADPMTNQC
7141	124	1073	LDNRSCNLDMEZLEEDVRPFIIVDETLDGGLSPSDSREERDITVL VTPEKPLERGLSHRSDPNAVAPAPQGVRLSIGPLSPKLEKIL EANKLAQLEQCALQDRESAGEGLGPRRVKPSPRRETFFVLKDS VRDLLPTVNSLTRSTPS/LEQPDASTPE***EGVSQGSPPGYIWK EALQHEEGVTHLQSVPCIQKPSIFSS\SRSTFPVRCRAGPSGRA AASEETRAAKLRGAAAKSSCQLPISAIIPRPAARMPLTSRSVPP GRGALPPDSLSTRKGLPRPSTAGHRVRESGKVPVVSQRIANLPVM GATRSNLQPP
7142	658	839	LIFLMHMEKMLSSVTLHRAFLYWICLKPTSCLIYFONVNL EK*SRVAGVVVVMCRT/YSSDLQGVVIEPWLILGSDAAHDLDT LKKNKVTHILNVAYGVENAFSLDFTYKSIISILDLPETNLSYFP ECFEFIEAKRKGVLVHCNA
7143	3	773	SLEMSSDGEPLSRMDSRDSISSTIMDVDSTISSGRSTPAMNQG GSTTSSSKNYAYNCWDQOACFNSSPDADHRSIHVDGQGG VFVCLWKGCKVYNTPTSTSQSNLQREMLTSEGDKPFCVVGCCNA SPASQGGIARHVPTHTPSQONSSEKVSQPKAKRESPSKAGMKRR KLKMKRRSLARPHDFDAQTLDALRHRAICFNLSAHTESLGK HVVVHSTVSIILLFQIKYKTLQKNISTIIKSLKI
7144	1	988	FRVNMQGGGSPAKESKAEESAGMKARFLGLPDAAGSSGPTPAR RCPAPRPAGVSYVIRDEVKYNRNGVNALQLDPALNRLFTAGRD SIIRIWSVNQHKQDPYIASMEHHTDWVNDIVLCCNGKTLISASS DTTVKVMNAHKGFCNSTLRTHKDYVKALAYAKDKELVASAGLDR QIFLWDVNTLTALTASNNTVTTSSLSGNKDSIYSLAMNQLGTII VSGSTEKVLRVNDPRTCAKMLKRGHTDNVKAALLNRDGTQCLS GSSDGTIRLWSLGGQRCIATYRVHDEGVWALQVNDAPTHVYSGG RDRKIYCTDLRNPDIRVLICE

TRADCS:1416260.1(PKCSK01.DOC)

WHAT IS CLAIMED IS:

1. An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of SEQ ID NO:1-1786 and 3573-5358, a mature protein coding portion of SEQ ID NO:1-1786 and 3573-5358, an active domain of SEQ ID NO:1-1786 and 3573-5358, and complementary sequences thereof.
2. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide hybridizes to the polynucleotide of claim 1 under stringent hybridization conditions.
3. An isolated polynucleotide encoding a polypeptide with biological activity, wherein said polynucleotide has greater than about 90% sequence identity with the polynucleotide of claim 1.
4. The polynucleotide of claim 1 wherein said polynucleotide is DNA.
5. An isolated polynucleotide of claim 1 wherein said polynucleotide comprises the complementary sequences.
6. A vector comprising the polynucleotide of claim 1.
7. An expression vector comprising the polynucleotide of claim 1.
8. A host cell genetically engineered to comprise the polynucleotide of claim 1.
9. A host cell genetically engineered to comprise the polynucleotide of claim 1 operatively associated with a regulatory sequence that modulates expression of the polynucleotide in the host cell.
10. An isolated polypeptide, wherein the polypeptide is selected from the group consisting of:

- (a) a polypeptide encoded by any one of the polynucleotides of claim 1; and
 - (b) a polypeptide encoded by a polynucleotide hybridizing under stringent conditions with any one of SEQ ID NO:1-1786 and 3573-5358.
11. A composition comprising the polypeptide of claim 10 and a carrier.
12. An antibody directed against the polypeptide of claim 10.
13. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample with a compound that binds to and forms a complex with the polynucleotide of claim 1 for a period sufficient to form the complex; and
 - b) detecting the complex, so that if a complex is detected, the polynucleotide of claim 1 is detected.
14. A method for detecting the polynucleotide of claim 1 in a sample, comprising:
- a) contacting the sample under stringent hybridization conditions with nucleic acid primers that anneal to the polynucleotide of claim 1 under such conditions;
 - b) amplifying a product comprising at least a portion of the polynucleotide of claim 1; and
 - c) detecting said product and thereby the polynucleotide of claim 1 in the sample.
15. The method of claim 14, wherein the polynucleotide is an RNA molecule and the method further comprises reverse transcribing an annealed RNA molecule into a cDNA polynucleotide.
16. A method for detecting the polypeptide of claim 10 in a sample, comprising:

a) contacting the sample with a compound that binds to and forms a complex with the polypeptide under conditions and for a period sufficient to form the complex; and

b) detecting formation of the complex, so that if a complex formation is detected, the polypeptide of claim 10 is detected.

17. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

a) contacting the compound with the polypeptide of claim 10 under conditions sufficient to form a polypeptide/compound complex; and

b) detecting the complex, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

18. A method for identifying a compound that binds to the polypeptide of claim 10, comprising:

a) contacting the compound with the polypeptide of claim 10, in a cell, under conditions sufficient to form a polypeptide/compound complex, wherein the complex drives expression of a reporter gene sequence in the cell; and

b) detecting the complex by detecting reporter gene sequence expression, so that if the polypeptide/compound complex is detected, a compound that binds to the polypeptide of claim 10 is identified.

19. A method of producing the polypeptide of claim 10, comprising,

a) culturing a host cell comprising a polynucleotide sequence selected from the group consisting of a polynucleotide sequence of SEQ ID NO:1-1786 and 3573-5358, a mature protein coding portion of SEQ ID NO:1-1786 and 3573-5358, an active domain of SEQ ID NO:1-1786 and 3573-5358, complementary sequences thereof and a polynucleotide sequence hybridizing under stringent conditions to SEQ ID NO:1-1786 and 3573-5358, under conditions sufficient to express the polypeptide in said cell; and

b) isolating the polypeptide from the cell culture or cells of step (a).

20. An isolated polypeptide comprising an amino acid sequence selected from the group consisting of any one of the polypeptides SEQ ID NO:1787-3572 and 5359-7144, the mature protein portion thereof, or the active domain thereof.
21. The polypeptide of claim 20 wherein the polypeptide is provided on a polypeptide array.
22. A collection of polynucleotides, wherein the collection comprising the sequence information of at least one of SEQ ID NO:1-1786 and 3573-5358.
23. The collection of claim 22, wherein the collection is provided on a nucleic acid array.
24. The collection of claim 23, wherein the array detects full-matches to any one of the polynucleotides in the collection.
25. The collection of claim 23, wherein the array detects mismatches to any one of the polynucleotides in the collection.
26. The collection of claim 22, wherein the collection is provided in a computer-readable format.
27. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.
28. A method of treatment comprising administering to a mammalian subject in need thereof a therapeutic amount of a composition comprising an antibody that specifically binds to a polypeptide of claim 10 or 20 and a pharmaceutically acceptable carrier.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/04; C12N 15/11, 15/63, 15/70, 15/82, 15/85; C07K 14/00
 US CL : 536/23.1; 435/320.1, 455, 468, 530/300, 350

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1; 435/320.1, 455, 468, 530/300, 350

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 MEDLINE, EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WAJIMA et al. The cDNA cloning and transient expression of an ovary-specific 17beta-hydroxysteroid dehydrogenase of chickens. Gene. 1999, Vol.233, pages 75-82	1-11, 13-16, and 19-26
A	US 5,175,095 A (MARTINEAU et al) 29 December 1992 (29.12.1992), see especially columns 3-18.	1-11, 13-16, and 19-26
A	Database PubMed, ID No. 2393392, FREUDENSTEIN et al. mRNA of bovine tissue inhibitor of metalloproteinase: sequence and expression in bovine ovarian tissue. Biochem. Biophys. Res. Commun. August 1990. Vol.171. No. 1. pages 250-256, see Abstract.	1-11, 13-16, and 19-26
A,P	Database PubMed, ID No. 10919256, HENNEBOLD et al. Ovary-selective genes I: the generation and characterization of an ovary-selective complementary deoxyribonucleic acid library. Endocrinology. August 2000. Vol.141. No.8. pages 2725-2734, see Abstract.	1-11, 13-16, and 19-26
A	Database PubMed, ID No. 2760883, BEIL et al. Synthesis of polypeptides by the cervix of the baboon (Papio anubis). J. Reprod. Fertil. July 1989. Vol.86. No.2. pages 535-544, see Abstract.	1-11, 13-16, and 19-26
A,P	Database PubMed, ID No. 10830289, HINSHELWOOD et al. A 278 bp region just upstream of the human CYP19 (aromatase) gene mediates ovary-specific expression in transgenic mice. Endocrinology. June 2000. Vol.141. No.6. pages 2050-2053, see Abstract.	1-11, 13-16, and 19-26



Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"A" document members of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

Date of mailing of the international search report

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
This includes 4 invention Groups and 3572 sequence species

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/34263

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid. Group I, claims 1-11, 13-16, and 19-26, drawn to nucleic acid molecules, vector molecules and host cells containing said nucleic acids, polypeptides, methods of making said polypeptides and method of detection using said nucleic acids and polypeptides. Group II, claim 12 and 28, drawn to antibodies and method of treatment using composition comprising said antibodies. Group III, claims 17-18, drawn to methods of identifying a binding partner to a polypeptides. Group IV, claim 27, drawn to method of treatment using composition comprising polypeptides.

The inventions listed as Groups I-IV do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group I encompasses nucleic acids, polypeptides expressed thereby, vectors and host cells containing same, respectively, and methods of making as well as the first method of use of this subject matter. Groups II-V all are directed to different special technical features as summarized as follows: Group II is directed to an antibody and method of treatment using same, which antibody undergoes recognition and binding reactions wherein what is bound is different from what is bound by the compositions of Group I. For example, the polypeptides of Group I do not bind the polypeptides of Group I as the antibody of Group II does. Identification of binding partner and treatment are clearly different special technical features from detection. Group III is directed to the identification of a binding partner of a polypeptide, which is not identified in any of the other Groups and thus clearly contains its own special technical feature. Group IV is directed to treatment, which is a clearly different methods than the methods in the other Groups. Thus, in summary, each of Groups I-IV are directed to different special technical features and thus support this lack of unity.

Additionally, each of the claims is directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for more than one species to be searched, the appropriate additional search fees must be paid. The species are as follows: The claims include a series of polynucleotides and the polypeptides encoded thereby as represented by the sequences of SEQ ID Nos: 1-1786, and 3573-5358. Each of these polynucleotide sequences encodes a separate polypeptide and thus represent a separate gene. Therefore, each of these genes defines its own special technical feature. In summary, one species is a gene represented by one polynucleotide sequence and one polypeptide sequence encoded thereby.